

**TECHNICAL REPAIR STANDARD  
FOR  
RIFLE 7.62 MM MK 14 MOD 0/1**



**RIFLE 7.62 MM MK 14 MOD 0 (NSN 1005-01-525-7718)**



**RIFLE 7.62 MM MK 14 MOD 1 (NSN 1005-LL-L99-7972)**

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## CHANGE RECORD

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## LIST OF EFFECTIVE PAGES

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Original May 2008

TOTAL NUMBER OF CHAPTERS IN THIS DOCUMENT IS 4. TOTAL NUMBER OF PAGES IN THIS DOCUMENT IS 118 CONSISTING OF THE FOLLOWING:

<b>Page No.</b>	<b>Change No.</b>
Front Cover . . . . .	0
Change Page A-B . . . . .	0
How to Use This Manual a-d . . . . .	0
Warnings e-f . . . . .	0
Reporting Errors i-ii . . . . .	0
Acronyms iii-iv . . . . .	0
Table of Contents v-vi . . . . .	0
List of Figures vii-x . . . . .	0
List of Tables xi-xii . . . . .	0
Chp 1 1-6 . . . . .	0
Chp 2 1-40 . . . . .	0
Chp 3 1-6 . . . . .	0
Chp 4 1-2 . . . . .	0
Appendix A 1-2 . . . . .	0
Appendix B 1-30 . . . . .	0
Appendix C 1-2 . . . . .	0
Appendix D 1-4 . . . . .	0
Appendix E 1-2 . . . . .	0
Appendix F 1-2 . . . . .	0

## HOW TO USE THIS MANUAL

### 1. GENERAL.

This manual has been prepared and illustrated to provide maintenance personnel all the information required to support the MK 14 MOD 0/1. To locate a procedure in the manual quickly, check the Table of Contents in the front of the manual.

- a. References are to sections in this manual or to other publications.
- b. Throughout this manual, text is keyed to illustrations by use of numbered callouts. When an item is called out, a number in parentheses in the text corresponds with a number on the illustration.
- c. Each task begins with an initial setup. It tells you what you need to do the task: tools, materials, parts, and other publications. It tells you what must be done to the equipment before you begin the task and provides general safety instructions.

### 2. INDEXES.

This manual is organized to help you quickly find the information you need.

- a. Table of Contents. The Table of Contents lists, in the order of presentation, all chapters, sections, and paragraphs.
- b. Cross-Reference Indexes. A list in National Item Identification Number (NIIN) sequence of all National Stock numbered items appearing in listings, followed by list in alphanumeric sequence of all part numbers appearing in listing. National Stock Numbers (NSNs) and Part Numbers are cross-referenced to each illustration figure and item number in alphanumeric sequence and cross-references NSN and Part Number.

### 3. LISTS.

- a. List of Abbreviations. An alphabetical list of uncommon abbreviations used in the manual is located on page iii.

### 4. SAFETY WARNING ICONS EXPLANATION.



**FLYING PROJECTILE** – Spring-loaded parts could release and hit body, causing injury or death.



**EAR PROTECTION** – Headphones over ears show that noise level will harm ears.



**ELECTRICAL** – Electrical wire to arm with electricity symbol running through human body shows that shock hazard is present.

4. SAFETY WARNING ICONS EXPLANATION. (CONT.)



**EXPLOSION** – Rapidly expanding symbol shows that material may explode if subjected to high temperatures, sources of ignition, or high pressure.



**EYE PROTECTION** – Person with goggles shows that material will injure eyes.



**WEAPON FIRE** – Accidental discharge of weapon could penetrate body, causing serious injury or death.

5. HAZARDOUS MATERIALS ICONS EXPLANATION.



**CHEMICAL** – Drops of liquid on hand show that material could cause burns or irritation to human skin or tissue.



**EYE PROTECTION** – Person with goggles shows that material could injure eyes.



**FIRE** – Flame shows that material may ignite and cause burns.

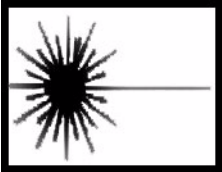


**VAPOR** – Human figure in cloud shows that material vapors present danger to life or health.

5. HAZARDOUS MATERIALS ICONS EXPLANATION. (CONT.)



**HOT AREA** – Hand over object radiating heat shows that part is hot and can cause burns.



**LASER LIGHT** – Laser light hazard symbol indicates extreme danger for eyes from laser beams and reflections.

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## WARNING SUMMARY

This warning summary contains general safety warnings and hazardous materials warnings that must be understood and applied during equipment's operation and maintenance. Failure to observe these precautions may result in serious injury or death to personnel. Also included are explanations of safety and hazardous materials icons used within Technical Repair Standard (TRS).

### 1. DEFINITION OF THE FOLLOWING ALERTS THROUGHOUT THIS MANUAL.

**WARNING** – Identifies clear danger to person performing procedure.

**CAUTION** – Identifies risk of damage to equipment.

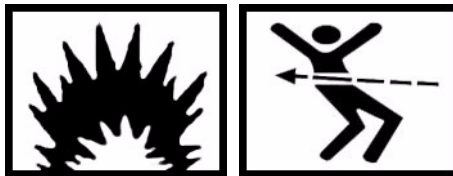
**NOTE** – Used to highlight essential procedures, conditions, and statements or to convey important instructional data to user.

### 2. FIRST AID.

For first aid information, refer to OP50100, First Aid.

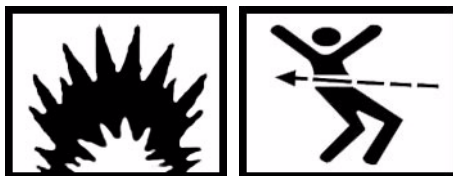
### 3. GENERAL SAFETY WARNINGS DESCRIPTION.

#### WARNING



Before starting inspection, clear weapon and lock bolt to rear. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

#### WARNING

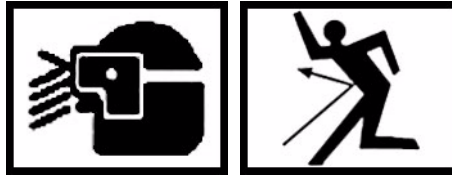


DO NOT keep live ammunition near work or maintenance area.

Before starting inspection clear weapon. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

**3. GENERAL SAFETY WARNINGS DESCRIPTION. (CONT.)**

**WARNING**



Wear protective eyewear. Use care when removing spring-loaded components. Injury to personnel or damage to equipment could result. Point components away from face and other personnel.

**4. HAZARDOUS MATERIALS DESCRIPTION.**

**WARNING**



Avoid repeated/prolonged skin contact with hazardous materials. Wash affected areas with soap and water upon completion of task or prior to eating, drinking, and smoking.

**5. CAUTION**

**CAUTION**

In withdrawing firing mechanism from stock, do not rotate firing mechanism more than 90 degrees. Doing so causes damage to rib or keyway on side of firing mechanism housing.

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June 2008

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## LIST OF ACRONYMS/ABBREVIATIONS

BOI	Basis of Issue
CAGEC	Contractor and Government Entity Code
CCW	Counterclockwise
CPC	Corrosion, Prevention and Controls
DoD	Department of Defense
EIR	Equipment Improvement Recommendations
IAW	In Accordance With
NATO	North Atlantic Treaty Organization
NIIN	National Item Identification Number
NSN	National Stock Number
NSWC	Naval Surface Warfare Center
PMCS	Preventive Maintenance Checks and Services
PN	Part Number
PQDR	Product Quality Deficiency Report
RPSTL	Repair Parts and Special Tools List
SOF	Special Operations Force
SOPMOD	Special Operation Particular Modifications
SSAVIE	Sustainment, Asset Visibility, and Information Exchange
TM	Technical Manual
TMDER	Technical Manual Deficiency/Evaluation Report
TRS	Technical Repair Standard
U/I	Unit of Issue
U/M	Unit of Measure
UOC	Usable On Code

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## TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
CHANGE RECORD .....	A
LIST OF EFFECTIVE PAGES .....	B
HOW TO USE THIS MANUAL .....	a
WARNING SUMMARY .....	e
LIST OF ACRONYMS/ABBREVIATIONS .....	iii
LIST OF FIGURES .....	vii
LIST OF TABLES .....	xi
 <b>CHAPTER 1 INTRODUCTION .....</b>	 <b>1-1</b>
SECTION I. GENERAL INFORMATION .....	1-1
1-1. SCOPE. ....	1-1
1-2. DESTRUCTION OF NAVY MATERIAL TO PREVENT ENEMY USE. ....	1-1
1-3. DEMILITARIZATION OF SMALL ARMS RESIDUE. ....	1-1
1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR). .	1-1
SECTION II. EQUIPMENT DESCRIPTION AND DATA .....	1-2
1-5. MAJOR COMPONENTS LOCATION AND DESCRIPTION. ....	1-2
1-6. TECHNICAL DATA. ....	1-3
1-7. OPERATING PRINCIPLES. ....	1-4
1-8. CORROSION, PREVENTION, AND CONTROLS (CPC). ....	1-6
 <b>CHAPTER 2 MAINTENANCE INSTRUCTIONS .....</b>	 <b>2-1</b>
SECTION I. REPAIR PARTS, SPECIAL TOOLS, AND COMMON TOOLS AND EQUIPMENT .....	 2-1
2-1. REPAIR PARTS. ....	2-1
2-2. SPECIAL TOOLS. ....	2-1
2-3. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST. ....	2-1
SECTION II. SERVICE UPON RECEIPT .....	2-1
2-4. GENERAL. ....	2-1
2-5. SERVICE UPON RECEIPT OF MATERIAL. ....	2-1
SECTION III. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) .....	2-2
2-6. PREVENTIVE MAINTENANCE PROCEDURES. ....	2-2
SECTION IV. TROUBLESHOOTING .....	2-5
2-7. MAINTENANCE TROUBLESHOOTING. ....	2-5
2-8. TROUBLESHOOTING PROCEDURES. ....	2-6
SECTION V. FIELDSTRIP PROCEDURES .....	2-9
2-9. SAFETY/FUNCTION CHECK. ....	2-9
2-10. FIELDSTRIP PROCEDURES. ....	2-10
SECTION VI. MAINTENANCE PROCEDURES .....	2-17
2-11. BOLT GROUP MAINTENANCE. ....	2-17
2-12. FIRING MECHANISM MAINTENANCE. ....	2-23
2-13. REAR SIGHT ASSEMBLY MAINTENANCE. ....	2-30
2-14. SAFETY/FUNCTION CHECK. ....	2-34
2-15. REASSEMBLE FROM FIELDSTRIP. ....	2-35
 <b>CHAPTER 3 GAUGING INSTRUCTIONS .....</b>	 <b>3-1</b>
SECTION I. REQUIRED GAUGES AND GAUGING REQUIREMENTS .....	3-1
3-1. REQUIRED GAUGES. ....	3-1
3-2. GAUGING REQUIREMENTS. ....	3-1

## TABLE OF CONTENTS (CONT.)

<u>SECTION</u>	<u>PAGE</u>
3-3. GENERAL. ....	3-1
SECTION II. GAUGING PROCEDURES ....	3-2
3-4. ANNUAL GAUGE CHECKS. ....	3-2
<b>CHAPTER 4 AMMUNITION</b> .....	<b>4-1</b>
4-1. GENERAL .....	4-1
<b>APPENDIX A REFERENCES</b> .....	<b>A-1</b>
A-1. TECHNICAL MANUALS. ....	A-1
A-2. DEPARTMENT OF DEFENSE REGULATIONS. ....	A-1
<b>APPENDIX B MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST</b> .....	<b>B-1</b>
SECTION I. INTRODUCTION .....	B-1
B-1. SCOPE. ....	B-1
B-2. GENERAL. ....	B-1
B-3. REPAIR PARTS LIST COMPONENTS. ....	B-1
B-4. EXPLANATION OF COLUMNS (SECTIONS II AND VI). ....	B-1
B-5. COLORS DEFINED. ....	B-2
B-6. SUPPORT EXPLANATION. ....	B-2
B-7. EXPLANATION OF COLUMNS. ....	B-3
B-8. SPECIAL INFORMATION. ....	B-4
B-9. HOW TO LOCATE REPAIR PARTS. ....	B-4
SECTION II. REPAIR PARTS LIST .....	B-5
SECTION III. CROSS REFERENCE INDEXES, NATIONAL STOCK NUMBER .....	B-18
SECTION IV. CROSS REFERENCE INDEXES, PART NUMBER .....	B-20
SECTION V. CROSS REFERENCE INDEXES, FIGURE AND ITEM NUMBER .....	B-25
SECTION VI. SPECIAL TOOLS LIST .....	B-29
<b>APPENDIX C EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST</b> .....	<b>C-1</b>
SECTION I. INTRODUCTION .....	C-1
C-1. SCOPE. ....	C-1
C-2. EXPLANATION OF COLUMNS. ....	C-1
SECTION II. EXPENDABLE SUPPLIES AND MATERIALS LIST .....	C-2
<b>APPENDIX D FIELD REJECT ASSESSMENT CHECKLIST</b> .....	<b>D-1</b>
D-1. REFERENCES. ....	D-1
D-2. GAUGES AND EQUIPMENT. ....	D-1
<b>APPENDIX E STANDARD FORM 368 PRODUCT QUALITY DEFICIENCY REPORT (PQDF)</b> .....	<b>E-1</b>
<b>APPENDIX F TECHNICAL MANUAL DEFICIENCY/EVALUATION REPORT (TMDER)</b> .....	<b>F-1</b>

## LIST OF FIGURES

<b><u>FIGURE</u></b>	<b><u>PAGE</u></b>
FIGURE 1-1. MK 14 MOD 0 MAJOR COMPONENTS. ....	1-2
FIGURE 1-2. MK 14 MOD 1 MAJOR COMPONENTS. ....	1-2
FIGURE 2-1. BARREL AND RECEIVER ASSEMBLY FIELDSTRIP. ....	2-10
FIGURE 2-2. REMOVE SCREW SECURING COVER. ....	2-10
FIGURE 2-3. TOP RAIL COVER REMOVAL. ....	2-11
FIGURE 2-4. UNSECURING OPERATING GUIDE. ....	2-11
FIGURE 2-5. TRIGGER GROUP REMOVAL. ....	2-12
FIGURE 2-6. BARRELED/RECEIVER REMOVAL. ....	2-12
FIGURE 2-7. CONNECTOR ASSEMBLY FIELDSTRIP. ....	2-13
FIGURE 2-8. OPERATING ROD SPRING RELEASE LEVER. ....	2-14
FIGURE 2-9. OPERATING ROD SPRING AND GUIDE REMOVAL. ....	2-14
FIGURE 2-10. OPERATING ROD SPRING. ....	2-15
FIGURE 2-11. OPERATING ROD GUIDE. ....	2-15
FIGURE 2-12. OPERATING ROD REMOVAL. ....	2-15
FIGURE 2-13. BOLT ASSEMBLY REMOVAL. ....	2-15
FIGURE 2-14. MAGAZINE FIELDSTRIP. ....	2-16
FIGURE 2-15. GAS PISTON REMOVAL. ....	2-16
FIGURE 2-16. BOLT IN BOLT DISASSEMBLY TOOL. ....	2-17
FIGURE 2-17. COMPRESS HANDLE. ....	2-17
FIGURE 2-18. EXTRACTOR REMOVAL. ....	2-18
FIGURE 2-19. EJECTOR AND SPRING REMOVAL. ....	2-18
FIGURE 2-20. FIRING PIN REMOVAL. ....	2-19
FIGURE 2-21. EXTRACTOR PLUNGER AND SPRING REMOVAL. ....	2-19
FIGURE 2-22. BOLT ASSEMBLY INSPECTION. ....	2-20

## LIST OF FIGURES (CONT.)

<b><u>FIGURE</u></b>	<b><u>PAGE</u></b>
FIGURE 2-23. FIRING PIN INSPECTION. ....	2-20
FIGURE 2-24. FIRING PIN INSTALLATION. ....	2-20
FIGURE 2-25. EJECTOR AND SPRING INSTALLATION. ....	2-21
FIGURE 2-26. EXTRACTOR PLUNGER AND SPRING INSTALLATION. ....	2-21
FIGURE 2-27. BOLT IN BOLT DISASSEMBLY TOOL. ....	2-22
FIGURE 2-28. EXTRACTOR INSTALLATION. ....	2-22
FIGURE 2-29. TRIGGER PIN REMOVAL. ....	2-23
FIGURE 2-30. TRIGGER REMOVAL. ....	2-23
FIGURE 2-31. HAMMER AND PIN REMOVAL. ....	2-24
FIGURE 2-32. SAFETY REMOVAL. ....	2-24
FIGURE 2-33. REMOVE SAFETY SPRING. ....	2-24
FIGURE 2-34. TRIGGER GUARD REMOVAL. ....	2-25
FIGURE 2-35. TRIGGER ASSEMBLY INSPECTION. ....	2-26
FIGURE 2-36. TRIGGER GUARD INSTALLATION. ....	2-26
FIGURE 2-37. SAFETY SPRING INSTALLATION. ....	2-27
FIGURE 2-38. SAFETY INSTALLATION. ....	2-27
FIGURE 2-39. HAMMER INSTALLATION. ....	2-27
FIGURE 2-40. HAMMER PIN INSTALLATION. ....	2-28
FIGURE 2-41. HAMMER SPRING HOUSING REASSEMBLY. ....	2-28
FIGURE 2-42. TRIGGER AND SEAR ASSEMBLY INSTALLATION. ....	2-29
FIGURE 2-43. COMPRESS TRIGGER. ....	2-29
FIGURE 2-44. TRIGGER PIN INSTALLATION. ....	2-29
FIGURE 2-45. UNSCREW WINDAGE KNOB. ....	2-30
FIGURE 2-46. ELEVATION KNOB REMOVAL. ....	2-30

## LIST OF FIGURES (CONT.)

<b><u>FIGURE</u></b>	<b><u>PAGE</u></b>
FIGURE 2-47. APERTURE REMOVAL. ....	2-31
FIGURE 2-48. REAR SIGHT COVER REMOVAL. ....	2-31
FIGURE 2-49. REAR SIGHT ASSEMBLY INSPECTION. ....	2-31
FIGURE 2-50. REAR SIGHT BASE INSTALLATION. ....	2-32
FIGURE 2-51. SNAP COVER. ....	2-32
FIGURE 2-52. APERTURE INSTALLATION. ....	2-32
FIGURE 2-53. ELEVATION AND WINDAGE KNOB INSTALLATION. ....	2-33
FIGURE 2-54. TIGHTEN WINDAGE KNOB. ....	2-33
FIGURE 2-55. MAGAZINE REASSEMBLY. ....	2-35
FIGURE 2-56. GAS PISTON INSTALLATION. ....	2-35
FIGURE 2-57. BOLT ASSEMBLY INSTALLATION. ....	2-35
FIGURE 2-58. OPERATING ROD INSTALLATION. ....	2-36
FIGURE 2-59. MOVE OPERATING ROD FORWARD. ....	2-36
FIGURE 2-60. FEED SPRING INTO OPERATING ROD. ....	2-36
FIGURE 2-61. COMPRESS OPERATING ROD SPRING. ....	2-37
FIGURE 2-62. OPERATING ROD SPRING RELEASE LEVER. ....	2-37
FIGURE 2-63. CONNECTOR ASSEMBLY INSTALLATION. ....	2-38
FIGURE 2-64. BARRELED ACTION INSTALLATION. ....	2-38
FIGURE 2-65. TRIGGER GROUP INSTALLATION. ....	2-39
FIGURE 2-66. SECURING OPERATING GUIDE. ....	2-39
FIGURE 2-67. TOP RAIL COVER INSTALLATION. ....	2-40
FIGURE 2-68. REASSEMBLE BARREL AND RECEIVER ASSEMBLY. ....	2-40
FIGURE 3-1. NO GO AND GO HEADSPACE GAUGES. ....	3-2
FIGURE 3-2. GO GAUGE. ....	3-2

## LIST OF FIGURES (CONT.)

<b><u>FIGURE</u></b>	<b><u>PAGE</u></b>
FIGURE 3-3. FIGURE 3-3. NO GO GAUGE. ....	3-3
FIGURE 3-4. THROAT EROSION GAUGE. ....	3-3
FIGURE 3-5. BARREL STRAIGHTNESS GAUGE. ....	3-4
FIGURE 3-6. GAUGE FIRING PIN PROTRUSION. ....	3-5
FIGURE 3-7. GAUGE FIRING PIN HOLE EROSION. ....	3-5
FIGURE 3-8. GAS PISTON SNAP GAUGE. ....	3-6
FIGURE B-1. 7.62 MM, MK 14 MOD 0. ....	B-5
FIGURE B-2. 7.62 MM, MK 14 MOD 1. ....	B-6
FIGURE B-3. MK 14 MOD 0 STOCK CHASSIS ASSEMBLY. ....	B-7
FIGURE B-4. MK 14 MOD 0/1 BOLT ASSEMBLY. ....	B-9
FIGURE B-5. MK 14 MOD 0/1 FIRING MECHANISM. ....	B-10
FIGURE B-6. MK 14 MOD 0/1 OPERATING ROD AND CONNECTOR ASSEMBLY. ....	B-11
FIGURE B-7. MK 14 MOD 0/1 BARREL GROUP. ....	B-12
FIGURE B-8. MK 14 MOD 0 RECEIVER GROUP. ....	B-13
FIGURE B-9. MK 14 MOD 1 RECEIVER GROUP. ....	B-15
FIGURE B-10. MK 14 ACCESSORIES. ....	B-17
FIGURE D-1. RIFLE 7.62 MM MK 14 MOD 0. ....	D-1
FIGURE D-2. RIFLE 7.62 MM MK 14 MOD 1. ....	D-1

## LIST OF TABLES

<b><u>TABLE</u></b>		<b><u>PAGE</u></b>
Table 1-1.	MK 14 MOD 0 Technical Data.....	1-3
Table 1-2.	MK 14 MOD 1 Technical Data.....	1-4
Table B-1.	7.62 mm, MK 14 MOD 0. ....	B-5
Table B-2.	7.62 mm, MK 14 MOD 1. ....	B-6
Table B-3.	MK 14 MOD 0 Stock Chassis Assembly. ....	B-7
Table B-4.	MK 14 MOD 0/1 Bolt Assembly.....	B-9
Table B-5.	MK 14 MOD 0/1 Firing Mechanism. ....	B-10
Table B-6.	MK 14 MOD 0/1 Operating Rod and Connector Assembly.....	B-11
Table B-7.	MK 14 MOD 0/1 Barrel Group.....	B-12
Table B-8.	MK 14 MOD 0 Receiver Group. ....	B-14
Table B-9.	MK 14 MOD 1 Receiver Group. ....	B-16
Table B-10.	MK 14 Accessories. ....	B-17

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# **CHAPTER 1 INTRODUCTION**

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## **CHAPTER OVERVIEW**

This chapter contains general information, equipment description and data, and operating principles on Rifle 7.62 mm MK 14 MOD 0/1.

### **Section I. GENERAL INFORMATION**

#### **1-1. SCOPE.**

- a. Type of Manual:  
Technical Repair Standard (TRS)
- b. Model Number and Equipment Name:  
Rifle 7.62 mm MK 14 MOD 0/1 (National Stock Number (NSN) 1005-01-525-7718; 1005-LL-L99-7972)

#### **1-2. DESTRUCTION OF NAVY MATERIAL TO PREVENT ENEMY USE.**

Destruction of Equipment to Prevent Enemy Use procedure will be found in Technical Manual (TM) 750-224-7.

#### **1-3. DEMILITARIZATION OF SMALL ARMS RESIDUE.**

To prevent unauthorized use of weapon's replaced components and subassemblies and associated small arms equipment following repair, demilitarization will be accomplished by NSWC Crane in accordance with (IAW) Department of Defense (DoD) 4160.21M, Defense Demilitarization Manual.

#### **1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR).**

If Rifle 7.62 mm MK 14 MOD 0/1 needs improvement, inform Program Office. User and maintainer are the only ones who can tell us what improvements to weapon are needed. Let us know what is lacking in design or performance. Tell us why a procedure is hard to perform and/or recommend improved procedure. A reply will be furnished directly to you. Fill out the Technical Manual Deficiency/Evaluation Report (TMDER) found in Appendix I.

Report to:

Commander  
Crane Division  
Naval Surface Warfare Center  
Attn: Code JXNQ, Bldg 2521  
300 Highway 361  
Crane, IN 47522-5001  
or e-mail to: smallarms@navy.mil

## Section II. EQUIPMENT DESCRIPTION AND DATA

### 1-5. MAJOR COMPONENTS LOCATION AND DESCRIPTION.

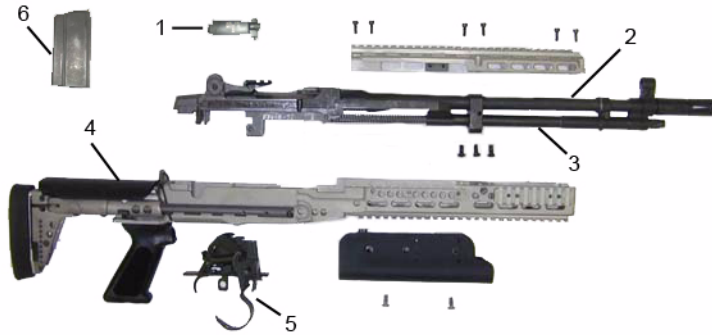


Figure 1-1. MK 14 MOD 0 Major Components.

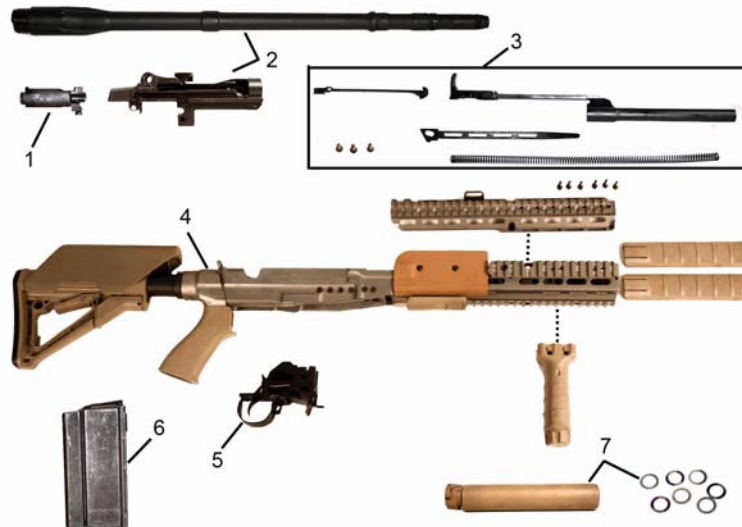


Figure 1-2. MK 14 MOD 1 Major Components.

Bolt Assembly (1)	Bolt assembly feeds and locks round in chamber. Firing pin detonates primer to fire round. Spent cartridge case is removed from chamber by extractor.
Barrel/Receiver Group (2)	Barrel houses cartridges for firing, and receiver serves as support for all major groups and assemblies.
Operating Rod and Connector Group (3)	Operating rod and connector group drives weapon's recoil parts. It includes operating rod, operating rod spring, and operating rod guide, as well as connector assembly.

**1-5. MAJOR COMPONENTS LOCATION AND DESCRIPTION. (CONT.)**

Chassis Stock System (4)	Chassis Stock System (4) This chassis stock system is composed of aluminum chassis, top cover with integral rail, and grip/base assembly that houses telescoping buttstock with adjustable cheekrest. System includes MIL-STD-1913 rails for accessory mounting. Fore-grip is secured to bottom rail by twenty 2 1/4 screws (and/or vertical grip). It provides secure front gripping area and protects user's hand from heat during rapid fire.
Firing Mechanism (5)	Firing mechanism houses components required to provide locking, firing, and safety functions.
Magazine (6)	Magazine assembly consists of magazine box, magazine spring, and magazine follower. Magazine capacity for MK 14 MOD 0/1 is 20 rounds of 7.62 mm ammunition.
Suppressor/Silencer (7)	Sound/flash suppressor system used with MK 14 MOD 1 is the Sure Fire Model FA762K. Sound/flash suppressor system is a two-part assembly. Flash suppressor unit internal threads interface with barrel threads. Sound suppressor unit then slides over flash suppressor unit and rotating collar locks it in place by means of spring loaded latch. Suppressor reduces sound at muzzle by ~ 24 Dbs.

**1-6. TECHNICAL DATA.**

Description	Measurement
Weight	
MK 14 (iron sights, no magazine)	11.0 lbs
MK 14 (empty magazine, sling, and vertical grip)	12.4 lbs
Magazine (empty)	0.52 lbs
Magazine (full)	1.6 lbs
Bipod w/mount	0.74 lbs
Sling	0.57 lbs
Vertical Grip	0.3 lbs
Length	
MK 14 w/collapsed stock	34.9 in
MK 14 w/stock fully extended	40.9 in
Ballistics	
M80 Ball muzzle velocity	2,675 fps
M118LR muzzle velocity	2,511 fps
Rate of Fire	750 rpm (approx.)

Table 1-1. MK 14 MOD 0 Technical Data.

**1-6. TECHNICAL DATA. (CONT.)**

Description	Measurement
Weight	
MK 14 (iron sights, no magazine)	11.0 lbs
MK 14 (empty magazine, sling, and vertical grip)	12.4 lbs
Magazine (empty)	0.52 lbs
Magazine (full)	1.6 lbs
Bipod w/mount	0.74 lbs
Sling	0.57 lbs
Vertical Grip	0.3 lbs
Length	
MK 14 w/collapsed stock	34.9 in
MK 14 w/stock fully extended	40.9 in
Ballistics	
M80 Ball muzzle velocity	2,675 fps
M118LR muzzle velocity	2,511 fps
Rate of Fire	750 rpm (approx.)

Table 1-2. MK 14 MOD 1 Technical Data.

**1-7. OPERATING PRINCIPLES.**

## a. Automatic fire (MK 14 MOD 0 only).

- (1) Selector must be set for automatic fire (letter A facing the shooter). Setting selector to automatic rotates sear release until it is in a position to make contact with sear.
- (2) After first cartridge has been fired (and with trigger held to rear), operating rod starts its rearward movement under pressure of expanding gases. As it moves to rear, connector assembly moves rearward 1/8 inch under pressure of connector assembly spring. Movement of connector assembly rotates sear release on selector shaft, causing flange on sear release to push sear to rear, disengaging it from rear hammer hooks. When bolt drives hammer rear, sear engages rear hammer hooks and holds hammer in cocked position.
- (3) After bolt moves forward and locks, shoulder on operating rod engages hook of connector assembly and forces it forward. This rotates sear release on selector shaft, causing flange on sear release to push sear to rear and disengaging it from rear hammer hooks. Hammer will then go forward if trigger is held to rear. If trigger is released at any time prior to firing of last cartridge, hammer will be held in cocked position by trigger lugs. Automatic actuation of sear release by connector assembly will not release hammer to force chambered cartridge.

**NOTE**

With MK 14 MOD 0's selector set for semi-automatic fire, assume bolt is locked to rear and loaded magazine has been inserted and locked in receiver magazine well.

**NOTE**

With MK 14 MOD 1's selector set for semi-automatic fire, assume bolt is locked to rear and loaded magazine has been inserted and locked in receiver magazine well.

## b. Cycle of operation (MK 14 MOD 0/1).

- (1) (1) **FEEDING** takes place when cartridge is forced into bolt's path. Top cartridge is forced into bolt's path by magazine follower. Follower is under pressure of magazine spring.

## 1-7. OPERATING PRINCIPLES. (CONT.)

### b. Cycle of operation (MK 14 MOD 0/1). (cont.)

- (2) **CHAMBERING** occurs when cartridge is driven into chamber. This takes place as bolt goes forward under pressure of expanding operating rod spring. Bolt picks up top of cartridge in magazine and drives it forward into chamber. Chambering is complete when extractor snaps into extracting groove on cartridge and ejector is forced into bolt face.
- (3) **LOCKING** occurs when bolt is fully closed. Closed bolt prevents loss of gas pressure until bullet has left muzzle. Bolt is locked by rear camming surface in hump of operating rod forcing bolt roller down. This engages locking lugs on bolt with locking recesses in receiver.
- (4) **FIRING** occurs when firing pin strikes primer in head of cartridge. When trigger is pressed, trigger lugs are disengaged from hammer hooks and hammer is released. Hammer moves forward under pressure of hammer spring and strikes tang of firing pin. This drives firing pin against sensitive primer, which in turn causes propellant in body of cartridge case to ignite and propel bullet into its trajectory.
- (5) **UNLOCKING** occurs after firing of cartridge. As bullet is forced through barrel by expanding gases, small amount of gas enters through gas port into hollow gas piston and inside of gas cylinder plug. Gas inside piston and plug expands. When it builds up adequate pressure to overcome operating rod spring tension, piston moves rearward driving operating rod and bolt with it. After piston has traveled slightly less than five thirty-seconds of an inch, gas ports are no longer aligned and gas can no longer enter piston. Remaining gas in barrel follows bullet out of muzzle. There is about 3/8 inch rearward movement of operating rod before unlocking begins. After operating rod has moved this short distance, camming surface inside its hump forces bolt roller upward, disengaging locking lugs on bolt from locking recesses in receiver. Unlocked bolt is now ready to move forward. Any gas that is left in gas cylinder or piston after bolt is fully to rear escapes through lower gas port in cylinder.
- (6) **EXTRACTING** is pulling empty cartridge case from chamber. As bolt unlocks, slow initial extraction takes place. As bolt moves to rear, it pulls cartridge case with it.
- (7) **EJECTING** is throwing empty cartridge case out of and away from receiver. As soon as bolt has withdrawn cartridge case clear of chamber, force of ejector spring and plunger pushes cartridge case head away from bolt face. This causes forward end of cartridge case to move upwards and to right. Rapid rearward movement of bolt causes cartridge case to strike angle on lower right corner of magazine stripper as cartridge case is turned sideways. Rapid forward movement of operating rod handle causes leading edge of "camming hump" to strike cartridge case with angle on outer edge of this "hump" continuing movement of cartridge case to right front. When last cartridge has been fired and bolt is held in rearward position by bolt lock, ejector propels last case out and away from receiver.
- (8) **COCKING** occurs when hammer is forced into position for firing next cartridge. This happens as bolt travels toward rear. Rear end of bolt forces hammer back and rides over it. Hammer is caught by sear if trigger has been released.

**1-8. CORROSION, PREVENTION, AND CONTROLS (CPC).**

CPC of material is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in the future. While corrosion is typically associated with rusting metals, it can also include deterioration of other materials such as rubber or plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem. If a corrosion problem is identified, it can be reported using SF 368 Product Quality Deficiency Report (PQDR). Use of key words such as corrosion, rust, deterioration, or cracking will assure that information is identified as a CPC problem. The form should be submitted to:

Commander  
Crane Division  
Naval Surface Warfare Center  
Attn: Code JXNQ, Bldg 2521  
300 Highway 361  
Crane, IN 47522-5001  
or e-mail to: [smallarms@navy.mil](mailto:smallarms@navy.mil)

## CHAPTER 2

# MAINTENANCE INSTRUCTIONS

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### CHAPTER OVERVIEW

This chapter contains information regarding repair parts, special tools, common tools and equipment, instructions for service upon receipt, Preventive Maintenance Checks and Services (PMCS), troubleshooting, maintenance to keep weapon in good repair, and storage.

#### Section I. REPAIR PARTS, SPECIAL TOOLS, AND COMMON TOOLS AND EQUIPMENT

##### 2-1. REPAIR PARTS.

Repair parts are listed and illustrated in Appendix B.

##### 2-2. SPECIAL TOOLS.

Special tools authorized for maintenance are listed and illustrated in Appendix B.

##### 2-3. EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST.

Expendable/durable supplies and materials are listed and illustrated in Appendix C.

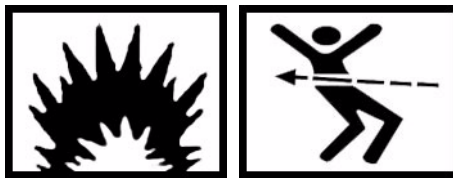
#### Section II. SERVICE UPON RECEIPT

##### 2-4. GENERAL.

When MK 14 MOD 0/1 is received, it is user organization's responsibility to determine whether weapon has been properly prepared for service by supplying organization and whether it is in condition to perform its mission.

##### 2-5. SERVICE UPON RECEIPT OF MATERIAL.

#### WARNING



Before starting inspection, clear weapon. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

#### NOTE

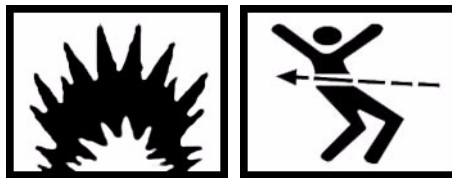
Weapon must be inspected and/or gauged at least annually for safety and serviceability IAW Preventive Maintenance Checks and Services (PMCS).

**2-5. SERVICE UPON RECEIPT OF MATERIAL. (CONT.)**

Item No.	Item to be Inspected	Procedure	Remarks
1. Container	MK 14 MOD 0/1	Check unpacked equipment. a. Inspect equipment for damage incurred during shipment. b. Check equipment against packing slip to ensure shipment is complete. c. Ensure equipment has not been modified.	Report all discrepancies on Standard Form 368, PQDR.
2. MK 16 MOD 0	Complete Receiver Assembly and Trigger Module	Remove corrosion inhibitor from barrel and discard. a. Fieldstrip MK 14, and inspect for missing parts. b. Clean and lubricate. c. Reassemble. d. Perform safety/function check.	Refer to page 2-10.  Refer to Operator's Manual. Refer to page 2-35. Refer to page 2-34.

**Section III. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)****2-6. PREVENTIVE MAINTENANCE PROCEDURES.**

This section contains procedures and instructions necessary to perform preventive maintenance checks. These checks are to be performed by maintenance personnel with assistance, where practical, of operator or crew who will clean and lubricate IAW Operator's Manual.


**WARNING**

DO NOT keep live ammunition near work or maintenance area.

Before starting inspection, clear weapon. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

Quarterly PMCS procedures are contained below. They are arranged in logical sequence requiring a minimum amount of time and motion on person's part performing them.

**2-6. PREVENTIVE MAINTENANCE PROCEDURES. (CONT.)**

Item No.	Nomenclature	Item to be Checked or Serviced	Procedure	Not Fully Mission Capable If
<b>WARNING</b>				
				
Avoid repeated/prolonged skin contact with hazardous materials. Wash affected areas with soap and water upon completion of task or prior to eating, drinking, and smoking.				
1.	Weapon		Visually check for missing or damaged components.	All basic items of issue not present. This includes: Operator's Manual, Otis Cleaning Kit, magazine (2 each), lubricant, bore snake, combination tool, MK 14 EBR folding tool, tactical sling bipod with mount, and discrete case.
			Inspect for dents, cracks, burrs, fouling, foreign matter, looseness, and defective components.	Any of these conditions exist.
			Hand-function operating rod and bolt assembly. Parts should freely operate.	Any binding occurs.
			Check that moving parts function smoothly.	Moving parts do not function smoothly.
			Inspect for proper installation.	Parts are not properly installed.
			Before usage, clean and remove excessive oil. After usage, clean and well lubricate.	Weapon is not clean and lubricated.

**2-6. PREVENTIVE MAINTENANCE PROCEDURES. (CONT.)**

<b>Item No.</b>	<b>Nomenclature</b>	<b>Item to be Checked or Serviced</b>	<b>Procedure</b>	<b>Not Fully Mission Capable If</b>
2.	Bolt Group	Bolt Group	While charging weapon, confirm bolt group moves freely without binding.  Inspect for excessive wear, cracks, or breaks.  Clean and lubricate.	Bolt group binds in receiver.  Excessive wear, cracks, or breaks are obvious.  Bolt group is not clean or lubricated.
3.	Barrel and Receiver Group	Barrel Bore and Chamber	Inspect barrel bore and chamber for presence of carbon and foreign matter.  Before usage, clean and remove excessive oil. After usage, clean and well lubricate.	Obstruction in barrel bore cannot be removed.  Parts are not clean and lubricated.
4.	Trigger Assembly	Firing Mechanism and Safety	Hand-function mechanism for proper operation per function check. Safety will not engage when hammer is forward.	Firing mechanism does not function properly or binds. Safety engages with hammer forward.
5.	Barrel Assembly	Gas Cylinder Plug	Check gas cylinder plug for proper installation.	Gas cylinder plug is not properly installed or gas cylinder plug is missing.
6.	Rear Sight Assembly	Windage Knob and Elevation Pinion Assembly	Actuate windage knob and elevation pinion assembly of rear sight. Make certain they do not bind. Rotate windage knob and elevating pinion assembly of rear sight to ensure proper operation. Medium pressure down on aperture should not shift elevation adjustment (if shift does occur, tighten screw in windage knob and recheck).	Rear sight windage knob and elevation pinion binds. Elevation knobs move under slight pressure.
7.	Magazine Assembly	Magazine	Inspect magazine for damage.  Insert and lock magazine into rifle.	If damage has occurred.  Magazine does not lock into rifle.
8.	Stock Assembly	Stock Assembly	Inspect for damage and missing parts.	Parts are missing from stock assembly.

## Section IV. TROUBLESHOOTING

### 2-7. MAINTENANCE TROUBLESHOOTING.

- a. Symptom index can be used as quick guide to troubleshooting. Common malfunctions are listed in cycle of function order with page number reference to troubleshooting table where test or inspection and corrective action are provided.
- b. This manual cannot list all malfunctions that may occur, nor all tests, inspections, and corrective actions. If malfunction is not listed or is not corrected by listed corrective actions, notify direct support maintenance.

#### NOTE

Refer to Section 2-10, page 2-10 for disassembly and Section 2-15, page 2-35 reassembly.

Malfunction Index	Procedure Page
Ammunition does not load freely into magazine	2-6
Magazine difficult or does not seat into magazine well	2-6
Bolt fails to lock into chamber	2-6
Failure to fire	2-7
Short recoil	2-7
Failure to feed	2-7
Failure to extract	2-8
Failure to eject	2-8
Failure to cock	2-8
Bolt fails to lock to rear	2-8

**2-8. TROUBLESHOOTING PROCEDURES.**

**a. AMMUNITION DOES NOT LOAD FREELY INTO MAGAZINE.**

**STEP 1.** Magazine is damaged.

**(a) CORRECTIVE ACTION**

Replace magazine.

**STEP 2.** Magazine dirty.

**(a) CORRECTIVE ACTION**

Clean magazine.

**STEP 3.** Ammunition is defective.

**(a) CORRECTIVE ACTION**

Replace ammunition.

**STEP 4.** Ammunition is the wrong caliber.

**(a) CORRECTIVE ACTION**

Check grade and nomenclature of ammunition. Use proper caliber of ammunition.

**b. MAGAZINE DIFFICULT OR DOES NOT SEAT INTO MAGAZINE WELL.**

**STEP 1.** Magazine is damaged.

**(a) CORRECTIVE ACTION**

Replace magazine.

**STEP 2.** Ammunition is improperly loaded into magazine.

**(a) CORRECTIVE ACTION**

Remove ammunition and reload.

**STEP 3.** Magazine is either undersized or oversized.

**(a) CORRECTIVE ACTION**

Replace magazine.

**c. BOLT FAILS TO LOCK INTO CHAMBER.**

**STEP 1.** Ammunition is faulty or dirty.

**(a) CORRECTIVE ACTION**

Replace ammunition.

**STEP 2.** Extractor is defective.

**(a) CORRECTIVE ACTION**

Replace extractor.

**STEP 3.** Bolt assembly is dirty.

**(a) CORRECTIVE ACTION**

Clean, oil, or repair bolt assembly.

**STEP 4.** Operating rod and spring are defective.

**(a) CORRECTIVE ACTION**

Replace operating rod and spring.

**2-10. TROUBLESHOOTING PROCEDURES. (CONT.)****d. FAILURE TO FIRE.**

**STEP 1.** Bolt is open or is not fully closed.

**(a) CORRECTIVE ACTION**

Close bolt fully.

**STEP 2.** Firing pin is defective.

**(a) CORRECTIVE ACTION**

Replace firing pin.

**STEP 3.** Ammunition is defective.

**(a) CORRECTIVE ACTION**

Replace ammunition.

**STEP 4.** Bolt assembly is defective.

**(a) CORRECTIVE ACTION**

Repair bolt assembly.

**STEP 5.** Firing mechanism is defective.

**(a) CORRECTIVE ACTION**

Repair firing mechanism.

**e. SHORT RECOIL.**

**STEP 1.** Gas piston is defective.

**(a) CORRECTIVE ACTION**

Replace gas piston.

**STEP 2.** Gas cylinder plug is defective or loose.

**(a) CORRECTIVE ACTION**

Tighten or replace gas cylinder plug.

**STEP 3.** Spindle valve is improperly set.

**(a) CORRECTIVE ACTION**

Set spindle valve to open (12 o'clock) position.

**STEP 4.** Weapon is dirty.

**(a) CORRECTIVE ACTION**

Clean and lubricate weapon.

**STEP 5.** Ammunition is defective.

**(a) CORRECTIVE ACTION**

Replace ammunition.

**STEP 6.** Cylinder gas port is not aligned with gas port of barrel.

**(a) CORRECTIVE ACTION**

Tighten gas cylinder lock.

**f. FAILURE TO FEED.**

**STEP 1.** Recoil is short.

**(a) CORRECTIVE ACTION**

Refer to Short Recoil.

**STEP 2.** Magazine is not loaded properly.

**(a) CORRECTIVE ACTION**

Reload ammunition into magazine.

**STEP 3.** Magazine is defective.

**(a) CORRECTIVE ACTION**

Replace magazine.

**2-10. TROUBLESHOOTING PROCEDURES. (CONT.)****g. FAILURE TO EXTRACT.**

**STEP 1.** Spindle valve is closed.

**(a) CORRECTIVE ACTION**

Set spindle valve to open (12 o'clock) position.

**STEP 2.** Recoil is short.

**(a) CORRECTIVE ACTION**

Refer to Short Recoil.

**STEP 3.** Extractor or bolt assembly is defective.

**(a) CORRECTIVE ACTION**

Repair and clean bolt assembly.

**STEP 4.** Ammunition is ruptured or damaged.

**(a) CORRECTIVE ACTION**

Remove ammunition and replace.

**h. FAILURE TO EJECT.**

**STEP 1.** Ejector, spring, or bolt assembly is defective.

**(a) CORRECTIVE ACTION**

Repair or clean bolt assembly.

**STEP 2.** Recoil is short.

**(a) CORRECTIVE ACTION**

Refer to Short Recoil.

**i. FAILURE TO COCK.**

**STEP 1.** Trigger and sear assembly is defective.

**(a) CORRECTIVE ACTION**

Clean or replace trigger and sear assembly.

**j. BOLT FAILS TO LOCK TO REAR.**

**STEP 1.** Inspect extended bolt catch.

**(a) CORRECTIVE ACTION**

Repair or replace extended bolt catch.

**STEP 2.** Inspect magazine.

**(a) CORRECTIVE ACTION**

Repair or replace magazine.

**STEP 3.** Operating rod and spring are defective.

**(a) CORRECTIVE ACTION**

Replace operating rod and spring.

**STEP 4.** Ammunition is defective.

**(a) CORRECTIVE ACTION**

Replace ammunition

**STEP 5.** Bolt assembly is defective.

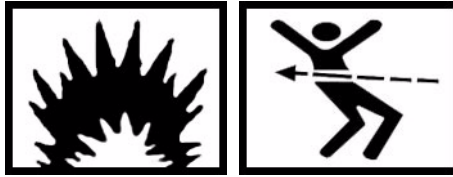
**(a) CORRECTIVE ACTION**

Repair bolt assembly.

**STEP 6.** Recoil is short.

**(a) CORRECTIVE ACTION**

Refer to Short Recoil.

**Section V. FIELDSTRIP PROCEDURES****2-9. SAFETY/FUNCTION CHECK.****WARNING**

Before starting safety/function check, clear weapon and lock bolt to rear. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

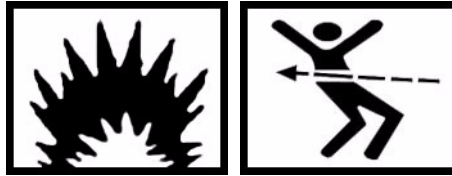
- a. A safety/function check should be performed anytime weapon is reassembled. This quick check indicates whether or not weapon was properly reassembled and with all components. A properly executed safety/function check can also reveal many of the more obvious malfunctions that could occur between weapon's interactive components.
  - (1) Clear weapon.
  - (2) Inspect sights for damage and loose or missing parts.
  - (3) Install empty magazine, and ensure it locks into place and does not bind.
  - (4) Release bolt lock; verify bolt is forward.
  - (5) MK 14 MOD 0 only: Press safety forward. Verify selector is in semi-automatic mode (letter A facing forward - not visible).
  - (6) MK 14 MOD 1 only: Press safety forward.
  - (7) Squeeze trigger; hammer should fall.
  - (8) Remove empty magazine.
  - (9) While squeezing trigger, pull operating rod to rear and ensure proper operation. Hammer should remain cocked upon release of operating rod handle. Slowly release trigger pressure; hammer should remain cocked (audible click when jumping from disconnecter to hammer sear hook).
  - (10) MK 14 MOD 0 only: Press in and rotate selector so letter A is facing rearward; cycle action to cock hammer.
  - (11) MK 14 MOD 1 only: Squeeze trigger to release hammer. Hold trigger to rear while hand cycling operating rod slowly, and allow action back. Hammer should not fall until last 1/2 inch of forward travel.
  - (12) Rotate windage knob and elevating pinion assembly or rear sight to ensure proper operation. Medium pressure down on aperture should not shift elevation adjustment. If shift does occur, tighten screw in windage knob another click and recheck.

## 2-10. FIELDSTRIP PROCEDURES.

### a. Disassembly.

- (1) Disassemble weapon into three main groups.

#### WARNING



Before starting inspection, clear weapon. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

#### NOTE

Before starting any scheduled maintenance procedure, ensure that weapon log book has been updated with correct round count and any scheduled maintenance performed is documented.

- (a) Remove six screws securing cover to barrel and receiver assembly. Lift top cover (includes MIL-STD-1913 rail).

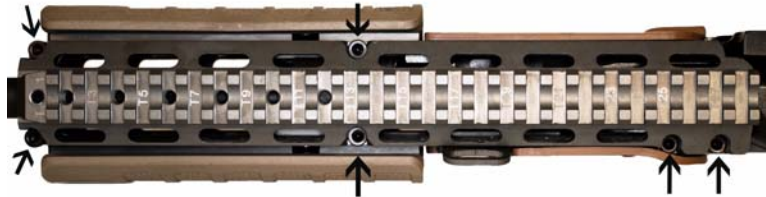


Figure 2-1. Barrel and Receiver Assembly Fieldstrip.



Figure 2-2. Remove Screw Securing Cover.

## 2-10. FIELDSTRIP PROCEDURES.

### a. Disassembly. (cont.)



Figure 2-3. Top Rail Cover Removal.

- (b) Remove three screws securing operating guide. Bottom screw will be captured or retained by plastic fire-grip.



Figure 2-4. Unsecuring Operating Guide.

**2-10. FIELDSTRIP PROCEDURES.****a. Disassembly. (cont.)**

- (c) Invert assembly, grasp rear of trigger guard, and pull toward muzzle until firing mechanism (trigger group) is released and can be pulled from assembly.



**Figure 2-5. Trigger Group Removal.**

- (d) Remove barreled action from stock chassis by inverting receiver and pushing stock up and away from it at back of receiver and front of gas cylinder area. If it is tight, use a 1/4" punch inserted through trigger group opening to push or tap receiver away from stock. Stock should pull straight up off barreled action.



**Figure 2-6. Barreled/Receiver Removal.**

**2-10. FIELDSTRIP PROCEDURES.****a. Disassembly. (cont.)****CAUTION**

In withdrawing firing mechanism from stock, do not rotate firing mechanism more than 90 degrees. Doing so causes damage to rib or keyway on side of firing mechanism housing.

**(2) Remove connector assembly.**

- (a) Close bolt; lay barreled action on side opposite operating rod handle.

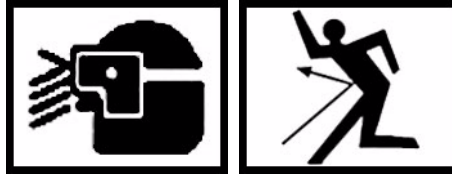
**NOTE**

Orient selector lever so that connector clears, and remove connector.

- (b) Press forward against spring pressure on connector until it is free from its front interface with connector lock.
- (c) Rotate connector's front end down and away from receiver until slot in connector is aligned with tab on which it pivots at rear and remove.



**Figure 2-7. Connector Assembly Fieldstrip.**

**2-10. FIELDSTRIP PROCEDURES. (CONT.)****a. Disassembly. (cont.)****WARNING**

Wear protective eyewear. Use care when removing spring-loaded components. Injury to personnel or damage to equipment could result. Point components away from face and other personnel.

- (3) Remove operating rod spring and operating rod guide.
  - (a) Place barrel and receiver group on flat surface, sight down, muzzle to left.
  - (b) Pull operating rod spring toward muzzle to relieve pressure on connector lock.
  - (c) Slide connector lock (pin) outward toward right side of receiver to release operating rod guide. Allow operating rod spring to expand slowly, and remove operating rod spring and guide from operating rod.



**Figure 2-8. Operating Rod Spring Release Lever.**



**Figure 2-9. Operating Rod Spring and Guide Removal.**

## 2-10. FIELDSTRIP PROCEDURES. (CONT.)

### a. Disassembly. (cont.)

- (d) Separate these two parts.



Figure 2-10. Operating Rod Spring.



Figure 2-11. Operating Rod Guide.

- (4) Remove operating rod.
  - (a) Turn barrel and receiver group so sights are up and muzzle is pointed away from you.
  - (b) Pull operating rod handle back until guide lug on its inside surface is aligned with disassembly notch on right side of receiver.
  - (c) Rotate operating rod downward and outward; pull it to rear, disengaging it from operating rod guide.



Figure 2-12. Operating Rod Removal.

- (5) Remove bolt assembly.
  - (a) Grasp roller of bolt.
  - (b) Slide bolt forward; lift it upward and outward to right front with slight rotating motion.



Figure 2-13. Bolt Assembly Removal.

## 2-10. FIELDSTRIP PROCEDURES. (CONT.)

### a. Disassembly. (cont.)

#### (6) Disassemble magazine.

- (a) Use small flat tip screwdriver to raise rear of magazine base clear of magazine.
- (b) Grasp magazine with one finger covering base.
- (c) Remove magazine base and guide spring, one coil at a time, to clear magazine's retaining clips.
- (d) Remove and separate magazine spring and follower.

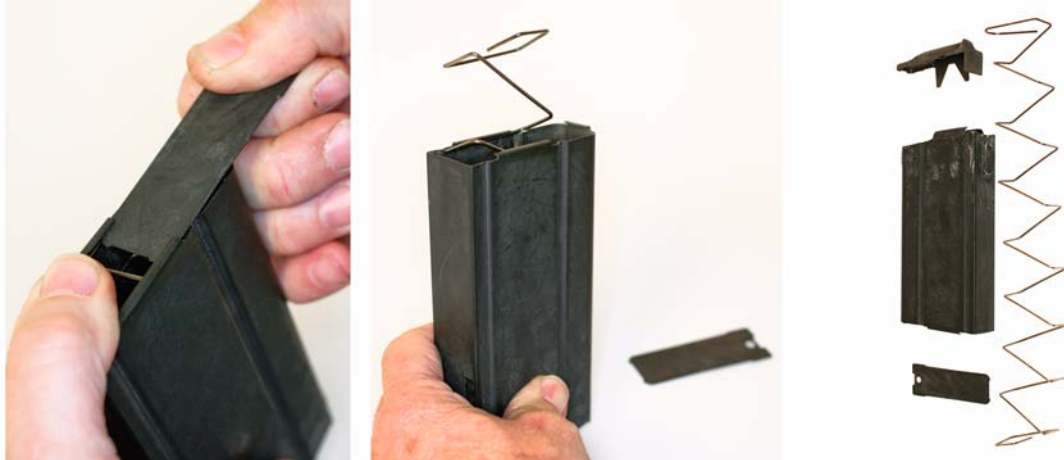


Figure 2-14. Magazine Fieldstrip.

#### (7) Remove gas piston plug.

#### (8) Remove gas piston.



Figure 2-15. Gas Piston Removal.

### b. Weapon and magazine are now fieldstripped for maintenance.

## Section VI. MAINTENANCE PROCEDURES

### NOTE

Weapon must be in fieldstripped condition, if required, prior to maintenance procedures.

### 2-11. BOLT GROUP MAINTENANCE.

This task covers:

DISASSEMBLY/INSPECTION/REASSEMBLY

<b>INITIAL SETUP</b> <b>Tools and Special Tools</b> Bolt Disassembly Tool (NSN 4933-00-055-5996; PN 7791607)  <b>Materials/Parts</b> N/A	<b>Personnel Required</b> Qualified Armorers  <b>Reference</b> N/A  <b>Equipment Condition</b> Bolt removed from weapon
<b>DISASSEMBLY/INSPECTION/REASSEMBLY</b>	
<p>a. Disassembly.</p> <p style="text-align: center;"><b>NOTE</b></p> <p>Bolt disassembly tool (NSN 4933-00-055-5996; PN 7791607) is not needed, but it eases procedure.</p> <p>(1) Place bolt in tool, aligning ejector with protruding notch on tool.</p> <div data-bbox="574 1104 1127 1402" data-label="Image"> </div> <p style="text-align: center;"><b>Figure 2-16. Bolt in Bolt Disassembly Tool.</b></p> <p>(2) Compress and hold handle, compressing ejector and spring.</p> <div data-bbox="667 1522 1031 1835" data-label="Image"> </div> <p style="text-align: center;"><b>Figure 2-17. Compress Handle.</b></p>	

**2-11. BOLT GROUP MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY****a. Disassembly. (cont.)**

- (3) Tap button of tool removing ejector.



**Figure 2-18. Extractor Removal.**

- (4) Remove ejector, slowly release handle, and remove bolt.  
(5) Remove ejector and spring from front of bolt.



**Figure 2-19. Ejector and Spring Removal.**

**2-11. BOLT GROUP MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

- a. Disassembly. (cont.)  
(6) Remove firing pin from rear of bolt.



**Figure 2-20. Firing Pin Removal.**

- (7) Remove extractor plunger and spring from head of bolt.



**Figure 2-21. Extractor Plunger and Spring Removal.**

## 2-11. BOLT GROUP MAINTENANCE. (CONT.)

### DISASSEMBLY/INSPECTION/REASSEMBLY

#### b. Inspection.

- (1) Inspect bolt assembly for corrosion, pitting, dents, and other deformations.



Figure 2-22. Bolt Assembly Inspection.

- (2) Ensure roller cam rolls freely.
- (3) Check firing pin for erosion.



Figure 2-23. Firing Pin Inspection.

#### c. Reassembly.

- (1) Insert firing pin into rear of bolt.



Figure 2-24. Firing Pin Installation.

**2-11. BOLT GROUP MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

## c. Reassembly. (cont.)

- (2) Install ejector with spring in ejector hole in front of bolt with notch on ejector lined up with extractor hole in bolt.



Figure 2-25. Ejector and Spring Installation.

- (3) Install extractor plunger and spring into head of bolt.



Figure 2-26. Extractor Plunger and Spring Installation.

**2-11. BOLT GROUP MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

## c. Reassembly. (cont.)

- (4) Install bolt into bolt tool, aligning ejector with protruding notch on tool.
  - (a) Compress and hold handle, compressing ejector and spring.



**Figure 2-27. Bolt in Bolt Disassembly Tool.**

- (5) Install extractor into bolt and tap on top of extractor with a plastic hammer.



**Figure 2-28. Extractor Installation.**

- (6) Inspect firing pin protrusion using firing pin protrusion gauge (PN 7274736; NSN 4933-00-345-6122).

**2-12. FIRING MECHANISM MAINTENANCE.**

This task covers:

DISASSEMBLY/INSPECTION/REASSEMBLY

<b>INITIAL SETUP</b> <b>Tools and Special Tools</b> 1/8" Punch  <b>Materials/Parts</b> N/A	<b>Personnel Required</b> Qualified Armorers  <b>Reference</b> N/A  <b>Equipment Condition</b> Firing mechanism removed from weapon
<b>DISASSEMBLY/INSPECTION/REASSEMBLY</b>  a. Disassembly. (1) Hammer must be in fired position. If it is not, pull trigger allowing hammer to move into fired position. (2) Drive out trigger pin from left to right keeping punch in. <div data-bbox="571 850 1138 1199" data-label="Image"> </div> <p style="text-align: center;"><b>Figure 2-29. Trigger Pin Removal.</b></p> (3) Compress top end of trigger, and hold removing punch. Slowly remove trigger and sear assembly, hammer spring housing, spring, and plunger. <div data-bbox="380 1335 1325 1795" data-label="Image"> </div>	

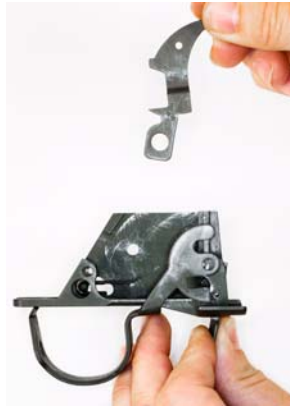
**2-12. FIRING MECHANISM MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY****a. Disassembly. (cont.)**

- (4) Drive out hammer pin from left to right and remove hammer.



**Figure 2-31. Hammer and Pin Removal.**

- (5) Push safety to right, away from trigger housing, to release notch of safety from hole in trigger housing and remove.



**Figure 2-32. Safety Removal.**

- (6) Remove safety spring.



**Figure 2-33. Remove Safety Spring.**

**2-12. FIRING MECHANISM MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

- a. Disassembly. (cont.)  
(7) Rotate trigger guard and remove.



**Figure 2-34. Trigger Guard Removal.**

## 2-12. FIRING MECHANISM MAINTENANCE. (CONT.)

## DISASSEMBLY/INSPECTION/REASSEMBLY

b. Inspection.

- (1) Inspect trigger assembly for cracks, bruises, abrasions, and bends.
- (2) Visually inspect forks.



**Figure 2-35. Trigger Assembly Inspection.**

c. Reassembly.

- (1) Rotate trigger guard, and install onto trigger housing.

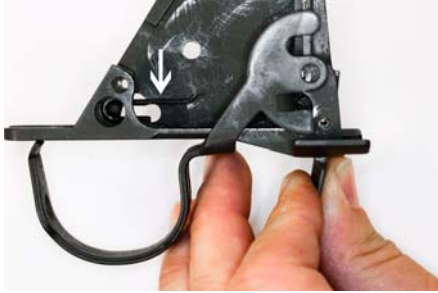


**Figure 2-36. Trigger Guard Installation.**

**2-12. FIRING MECHANISM MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

## c. Reassembly. (cont.)

- (2) Install safety spring with long end up.



**Figure 2-37. Safety Spring Installation.**

- (3) Install bottom end of safety through slot in trigger housing, compressing safety spring lining up notch on back of safety into hole on trigger housing.



**Figure 2-38. Safety Installation.**

- (4) Install hammer lining up hole in trigger housing. Slide trigger guard behind hammer also lining up hole in trigger housing.



**Figure 2-39. Hammer Installation.**

## 2-12. FIRING MECHANISM MAINTENANCE. (CONT.)

### DISASSEMBLY/INSPECTION/REASSEMBLY

c. Reassembly. (cont.)

(5) Install hammer pin from right to left.



Figure 2-40. Hammer Pin Installation.

(6) Install hammer spring onto plunger, and install into hammer spring housing.



Figure 2-41. Hammer Spring Housing Reassembly.

**2-12. FIRING MECHANISM MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

c. Reassembly. (cont.)

**NOTE**

Hammer spring housing slot faces the safety in trigger housing.

- (7) Install hammer spring plunger into notch in hammer.
- (8) Install trigger and sear assembly into trigger slot in trigger housing.



**Figure 2-42. Trigger and Sear Assembly Installation.**

- (9) Compress and hold trigger and sear assembly lining up hole in trigger housing.



**Figure 2-43. Compress Trigger.**

- (10) Install trigger pin from right to left.



**Figure 2-44. Trigger Pin Installation.**

**2-13. REAR SIGHT ASSEMBLY MAINTENANCE.**

This task covers:

DISASSEMBLY/INSPECTION/REASSEMBLY

<b>INITIAL SETUP</b> <b>Tools and Special Tools</b> 1/8" Punch  <b>Materials/Parts</b> N/A	<b>Personnel Required</b> Qualified Armorers  <b>Reference</b> N/A  <b>Equipment Condition</b> Firing mechanism removed from weapon
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**DISASSEMBLY/INSPECTION/REASSEMBLY**

a. Disassembly.

- (1) Unscrew on windage knob and remove. Remove elevation knob.

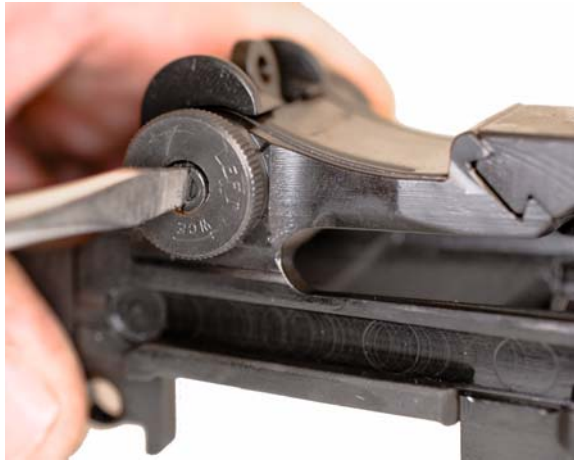


Figure 2-45. Unscrew Windage Knob.



Figure 2-46. Elevation Knob Removal.

**2-13. REAR SIGHT ASSEMBLY MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

- a. Disassembly. (cont.)  
(2) Remove aperture.

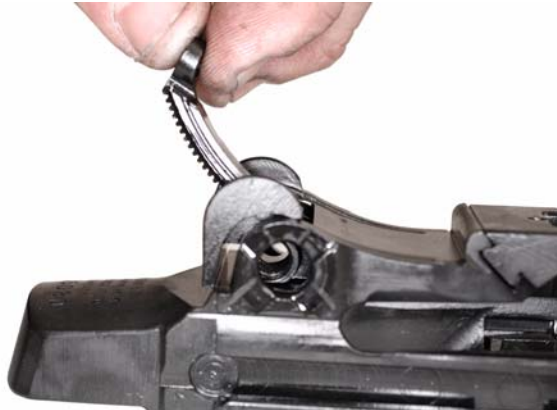


Figure 2-47. Aperture Removal.

- (3) Remove rear sight cover.



Figure 2-48. Rear Sight Cover Removal.

- b. Inspection.  
(1) Inspect rear sight assembly for dents, corrosion, and other deformations.



Figure 2-49. Rear Sight Assembly Inspection.

## 2-13. REAR SIGHT ASSEMBLY MAINTENANCE. (CONT.)

### DISASSEMBLY/INSPECTION/REASSEMBLY

#### c. Reassembly.

- (1) Insert base into opening of rear sight cover.



Figure 2-50. Rear Sight Base Installation.

- (2) Apply pressure to front end of rear sight cover. Snap cover in place.



Figure 2-51. Snap Cover.

- (3) Install rear sight aperture.

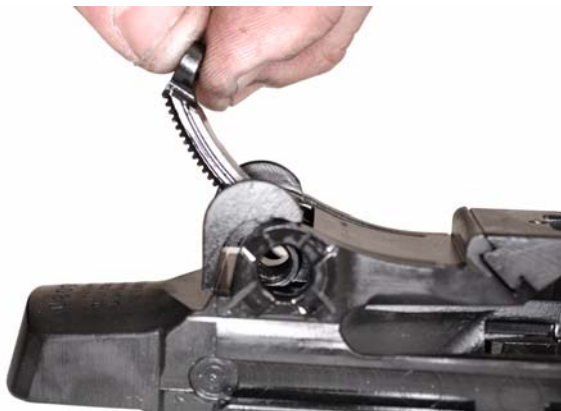


Figure 2-52. Aperture Installation.

**2-13. REAR SIGHT ASSEMBLY MAINTENANCE. (CONT.)****DISASSEMBLY/INSPECTION/REASSEMBLY**

c. Reassembly. (cont.)

- (4) Install elevation knob on left side of receiver.
- (5) Screw windage knob onto elevation knob.

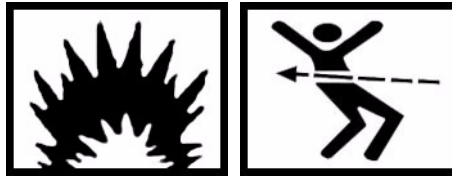


Figure 2-53. Elevation and Windage Knob Installation.

- (6) Tighten screw on windage knob.



Figure 2-54. Tighten Windage Knob.

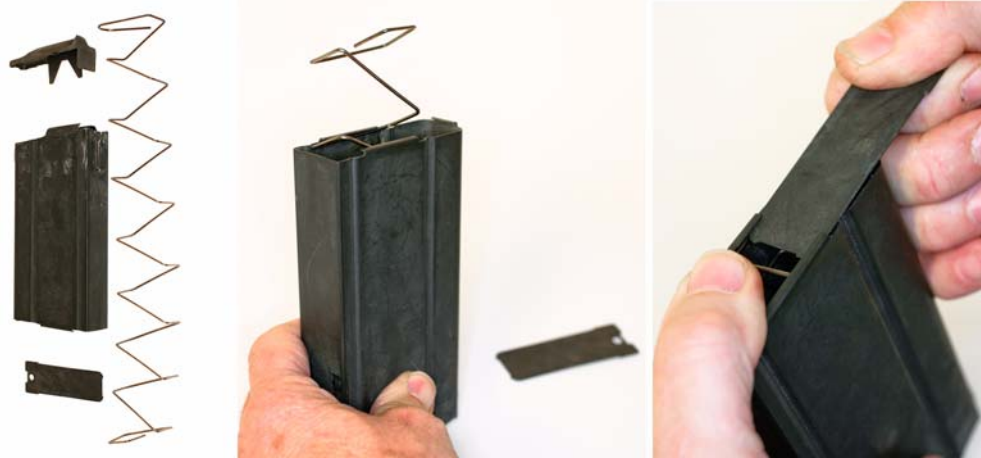
**2-14. SAFETY/FUNCTION CHECK.****WARNING**

Before starting safety/function check, clear weapon and lock bolt to rear. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

- a. A safety/function check should be performed anytime weapon is reassembled. This quick check indicates whether or not weapon was properly reassembled and with all components. A properly executed safety/function check can also reveal many of the more obvious malfunctions that could occur between weapon's interactive components.
  - (1) Clear weapon.
  - (2) Inspect sights for damage and loose or missing parts.
  - (3) Install empty magazine, and ensure it locks into place and does not bind.
  - (4) Release bolt lock; verify bolt is forward.
  - (5) MK 14 MOD 0 only: Press safety forward. Verify selector is in semi-automatic mode (letter A facing forward - not visible).
  - (6) MK 14 MOD 1 only: Press safety forward.
  - (7) Squeeze trigger; hammer should fall.
  - (8) Remove empty magazine.
  - (9) While squeezing trigger, pull operating rod to rear and ensure proper operation. Hammer should remain cocked upon release of operating rod handle. Slowly release trigger pressure; hammer should remain cocked (audible click when jumping from disconnect to hammer sear hook).
  - (10) MK 14 MOD 0 only: Press in and rotate selector so letter A is facing rearward; cycle action to cock hammer.
  - (11) MK 14 MOD 1 only: Squeeze trigger to release hammer. Hold trigger to rear while hand cycling operating rod slowly, and allow action back. Hammer should not fall until last 1/2 inch of forward travel.
  - (12) Rotate windage knob and elevating pinion assembly or rear sight to ensure proper operation. Medium pressure down on aperture should not shift elevation adjustment. If shift does occur, tighten screw in windage knob another click and recheck.

**2-15. REASSEMBLE FROM FIELDSTRIP.****a. Reassemble magazine.**

- (1) Reposition spring inside follower with rectangular shaped end of spring against rear of follower, and replace follower and spring inside magazine. Be sure to fully seat follower.
- (2) Replace magazine base.

**Figure 2-55. Magazine Reassembly.****b. Install gas cylinder piston and gas cylinder plug.**

- (1) Insert gas piston into gas cylinder with flat end of gas piston lined up with gas cylinder so that it protrudes out bottom.
- (2) Install gas cylinder plug and tighten with torque of 13 to 17 ft/lbs.

**Figure 2-56. Gas Piston Installation.****c. Install bolt assembly.**

- (1) Place barrel and receiver on table, sights up, muzzle pointing away from you.
- (2) Hold bolt by roller and locking lug, and place rear on bridge of receiver, firing pin tang pointed down. Slide bolt halfway to rear.

**Figure 2-57. Bolt Assembly Installation.**

**2-14. REASSEMBLE FROM FIELDSTRIP. (CONT.)****d. Install operating rod.**

- (1) Hold operating rod at handle, place front end into operating rod guide, and position rod so that recess in hump fits over bolt roller.

**Figure 2-58. Operating Rod Installation.**

- (1) Turn operating rod counterclockwise (CCW) in operating rod guide until guide lug fits into disassembly notch on receiver.
- (2) Move operating rod forward until bolt is closed.

**Figure 2-59. Move Operating Rod Forward.****e. Install operating rod spring and operating rod spring guide.**

- (1) Turn barrel and receiver over so sights are down and muzzle is to left.
- (2) Install operating rod spring into operating rod guide.
- (3) Place operating rod guide hump up, and feed loose end of spring into operating rod.

**Figure 2-60. Feed Spring into Operating Rod.**

**2-14. REASSEMBLE FROM FIELDSTRIP. (CONT.)**

- e. Install operating rod spring and operating rod spring guide. (cont.)
  - (4) Grasp spring and guide with left hand, and compress spring until hole in guide can be aligned with connector lock. Lower guide, and push in connector lock with right thumb to retain spring guide.



**Figure 2-61. Compress Operating Rod Spring.**



**Figure 2-62. Operating Rod Spring Release Lever.**

## 2-14. REASSEMBLE FROM FIELDSTRIP. (CONT.)

- f. Install connector assembly.
  - (1) Close bolt and lay action on side opposite operating rod handle.
  - (2) Orient selector lever until connector clears.
  - (3) Install connector on tab that it pivots, and rotate front connector up toward receiver, pressing forward until it snaps onto connector lock.



Figure 2-63. Connector Assembly Installation.

- g. Install three main groups.
  - (1) Place barrel and receiver group on flat surface, sights down.
  - (2) Place chassis stock directly onto receiver from above being sure receiver “legs” fit into recesses and operating rod guide fits into front stock channel.



Figure 2-64. Barreled Action Installation.

**2-14. REASSEMBLE FROM FIELDSTRIP. (CONT.)**

- g. Install three main groups. (cont.)
- (3) Open trigger guard, and place firing mechanism straight down into receiver, making sure that guide rod on firing mechanism enters recess in receiver.



**Figure 2-65. Trigger Group Installation.**

- (4) Once receiver is fully seated into stock (may require tapping with mallet), close trigger guard ensuring that it clears trigger and fully engages receiver.
- (5) Install three screws securing operating rod guide, and secure to approximately 50 in/lbs torque.



**Figure 2-66. Securing Operating Guide.**

## 2-14. REASSEMBLE FROM FIELDSTRIP. (CONT.)

- g. Install three main groups. (cont.)
  - (6) Install top rail to stock, and secure with six screws. Torque screws to 35 in/lbs (anti-seize compound or grease can be applied to screw threads).



Figure 2-67. Top Rail Cover Installation.

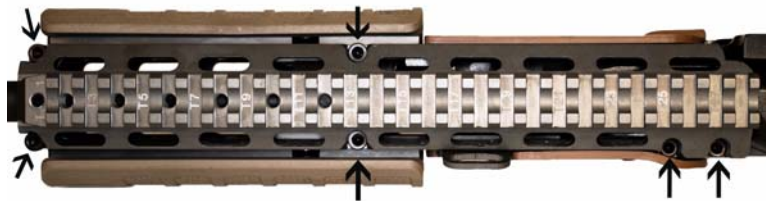


Figure 2-68. Reassemble Barrel and Receiver Assembly.

- h. Reassembly from fieldstrip is now complete.

## CHAPTER 3

### GAUGING INSTRUCTIONS

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#### CHAPTER OVERVIEW

This chapter contains information regarding gauging requirements and procedures for MK 14 MOD 0/1.

#### Section I. REQUIRED GAUGES AND GAUGING REQUIREMENTS

##### 3-1. REQUIRED GAUGES.

- a. Modified Manson NO GO Gauge (1.636) (PN HS308WIN NO GO; NSN NAVSEA 8166476)
- b. MK 14 GO Gauge Modified Manson (1.632) (PN HS308WIN1.632; NSN NAVSEA 8166476)
- c. Throat Erosion Gauge (PN 7274761; NSN 4933-00-647-3697)
- d. Barrel Straightness Gauge (PN 11015416; NSN 4933-00-916-9189)
- e. Firing Pin Protrusion Gauge (0.044-0.060) (PN 7274736; NSN 4933-00-345-6122)
- f. Firing Pin Hole Gauge (PN 745839; NSN 5220-00-745-8398)
- g. Gas Piston Snap Gauge NO GO 0.4968" dia (PN 7274757; NSN 4933-00-647-3695)
- h. Stacked weights or Lyman Trigger Pull Gauge

##### 3-2. GAUGING REQUIREMENTS.

Gauging inspections shall take place IAW TRS and Assessment Sheets requirements and on an as needed basis. Gauging should be completed as part of troubleshooting process when investigating weapon malfunctions or when critical parts are replaced or repaired (i.e. replacement of trigger).

##### 3-3. GENERAL.

Safety dictates that critical tolerance instances be measured via gauges in order to prevent catastrophic failure of MK 14 MOD 0/1.

#### WARNING



Failure to comply with gauging requirements can create condition where weapon can fire out of "battery" or fail to fire at critical moment. In either condition serious injury or loss of life can result.

## Section II. GAUGING PROCEDURES

### 3-4. ANNUAL GAUGE CHECKS.

a. Headspacing.

- (1) Required gauge: Modified Manson NO GO Gauge (1.636) (PN HS308WIN NO GO; NSN NAVSEA 8166476) and MK 14 GO Gauge Modified Manson (1.632) (PN HS308WIN1.632; NSN NAVSEA 8166476).



Figure 3-1. NO GO and GO Headspace Gauges.

- (2) Equipment condition: Clear, clean, and safe. Fieldstripped weapon and disassembled bolt.
  - (a) Insert GO gauge (PN HS308WIN; 1.632) in chamber.
  - (b) Attempt to close bolt with light finger pressure only; bolt must fully lock.



Figure 3-2. GO Gauge.

### 3-4. ANNUAL GAUGE CHECKS. (CONT.)

#### a. Headspacing. (cont.)

- (c) Insert NO GO gauge (PN HS308WIN; 1.636) in chamber.
- (d) Attempt to close bolt with light finger pressure only; bolt must not fully lock.



Figure 3-3. NO GO Gauge.

- (e) If weapon fails headspace gauge, test weapon with another bolt. Reinspect with replacement bolt. If weapon fails headspace gauge requirements again, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.

#### b. Throat erosion.

- (1) Required gauge: Throat Erosion Gauge (PN 7274761; NSN 4933-00-647-3697).



Figure 3-4. Throat Erosion Gauge.

- (2) Equipment condition: Clear, clean, and safe. Weapon fieldstripped and bolt to rear.
  - (a) Insert throat erosion gauge (PN 7274761) into chamber with minimal finger pressure.
  - (b) Read wear indicated on gauge from edge of chamber area. Components are acceptable up to and including a gauge reading of 5.
  - (c) If weapon fails gauge requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.

### 3-4. ANNUAL GAUGE CHECKS. (CONT.)

c. Barrel straightness.

- (1) Required gauge: Barrel Straightness Gauge (PN 11015416; NSN 4933-00-916-9189).



**Figure 3-5. Barrel Straightness Gauge.**

- (2) Equipment condition: Clean, clear, and safe. Bolt locked to rear.
- (a) Placing butt of weapon on floor, place gauge into muzzle.
  - (b) Release gauge; gauge should fall according to own weight to length of barrel.
  - (c) Remove gauge by pulling through muzzle end. No resistance should be felt upon removal.
  - (d) If weapon fails gauge requirements, clean barrel and retest. If weapon fails second attempt, tag and return to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.

**3-4. ANNUAL GAUGE CHECKS. (CONT.)****d. Firing pin protrusion.**

- (1) Required gauge: Firing Pin Protrusion Gauge (0.044-0.060) (PN 7274736; NSN 4933-00-345-6122).
- (2) Equipment condition: Clear and safe. Bolt removed from weapon.
  - (a) Gauge firing pin protrusion by pressing firing pin fully forward and sliding each end of firing pin protrusion gauge over firing pin.
  - (b) Minimum protrusion is 0.044 inch; firing pin must touch. Maximum protrusion is 0.060 inch; firing pin must not touch.

**Figure 3-6. Gauge Firing Pin Protrusion.**

- (c) If weapon fails gauge requirements, replace firing pin and retest. If weapon fails gauging test again, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.

**e. Firing pin hole erosion.**

- (1) Required gauge: Firing Pin Hole Gauge (PN 745839; NSN 5220-00-745-8398).
- (2) Equipment condition: Clear and safe. Bolt removed.
  - (a) Attempt to place firing pin hole erosion gauge into firing pin hole on bolt face.
  - (b) Gauge should not enter firing pin hole at any point on its circumference.
  - (c) Inspect firing pin hole for roundness. If hole is out of round, replace bolt.

**Figure 3-7. Gauge Firing Pin Hole Erosion.**

- (d) If weapon fails requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.

**3-4. ANNUAL GAUGE CHECKS. (CONT.)**

- f. Gas piston snap gauge.
  - (1) Required gauge: Gas Piston Snap Gauge NO GO 0.4968" dia (PN 7274757; NSN 4933-00-647-3695).
  - (2) Equipment condition: Clear, clean, and safe. Bolt removed. Remove gas plug and remove gas piston. If needed, clean carbon from gas piston.
    - (a) If any part of rings of piston drop inside gauge, it fails test.
    - (b) Replace piston and retest.



**Figure 3-8. Gas Piston Snap Gauge.**

- (c) If weapon fails gauge requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.
- g. Trigger pull test.
  - (1) Required gauge: Stacked weights or Lyman Trigger Pull Gauge.
  - (2) Equipment condition: Clear and safe.
    - (a) Assemble weapon.
    - (b) Disengage bolt lock; bolt should move forward and hammer remain cocked.
    - (c) Add weights to test fixture to total 4.5 lbs.
    - (d) Hold rifle vertically. Place end of fixture over center of trigger.
    - (e) Slowly raise rifle in a line parallel to barrel until fixture and weights are suspended.
    - (f) Hammer should not release.
    - (g) If using Lyman Trigger Pull Gauge, ensure that rifle is held in a stable position and that gauge is pulled steadily straight to rear.
    - (h) Hammer should not release with less than 4.5 lbs of pressure.
    - (i) If using stacked weights, add weight totaling 7.5 lbs and complete same process. Hammer must fall.
    - (j) If using Lyman Trigger Pull Gauge, hammer must fall at or between 5.5 lbs and 7.5lbs.
    - (k) If rifle fails trigger pull weight test, replace trigger assembly.
    - (l) If weapon fails gauge requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.

## **CHAPTER 4 AMMUNITION**

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### **4-1. GENERAL**

The recommend ammunition for MK 14 MOD 1 is LR118. The following is a list of standard 7.62 mm NATO ammunition for MK 14 MOD 0/1:

- Ball (M80)
- Match special ball (M118)
- Tracer (M62)
- Blank (M82)
- Dummy (M63 & M172)
- Grenade (M64)
- Match (M852)
- Match long-range (AA11)

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**APPENDIX A**  
**REFERENCES**

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Consult the following publication indexes frequently for latest changes or revisions of references and for new publications relating to material covered in this manual.

**A-1. TECHNICAL MANUALS.**

TM 9-1005-223-90	Operator's Manual	Rifle 7.62 mm MK 14 MOD 0/1
ISW370-BK-MMI-020	Technical Manual	Rifle 7.62 mm M14
TM 750-224-7	Operator's Manual	Rifle 7.62 mm M14
	Destruction of Equipment to Prevent Enemy Use	

**A-2. DEPARTMENT OF DEFENSE REGULATIONS.**

DoD 4160-21-M-1	Defense Demilitarization Manual
NAVSEAINST 8370.2	

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## APPENDIX B

### MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

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#### Section I. INTRODUCTION

##### B-1. SCOPE.

This Repair Parts and Special Tools List (RPSTL) lists and authorizes spares and repair parts, special tools, and other special support equipment required for performance of maintenance of MK 14 MOD 0/1.

##### B-2. GENERAL.

In addition to Section I, Introduction, this RPSTL is divided into the following sections:

- a. **Section II Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in performance of maintenance. List also includes parts that must be removed for replacement of authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence with parts in each group listed in ascending figure and item number sequence. Bulk materials are listed by item name in FIG BULK at end of section. Repair parts kits or sets are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in section.
- b. **Section III Cross-Reference Indexes.** A list in National Item Identification Number (NIIN) sequence of all National Stock numbered items appearing in listings, followed by list in alphanumeric sequence of all part numbers appearing in listing. National Stock Numbers (NSNs) and Part Numbers are cross-referenced to each illustration figure and item number in alphanumeric sequence and cross-references NSN and Part Number.
- c. **Section VI Special Tools List.** A list of special tools and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE (UOC) column) for performance of maintenance.

##### B-3. REPAIR PARTS LIST COMPONENTS.

The following instruction explains use of Repair Parts List. A Repair Parts List defines, by color coding, which parts are authorized for repair and replacement and who is authorized to conduct repair and replacement. It is imperative that this direction be followed as outlined; failure to comply with this instruction can result in *catastrophic weapons failure*, which in turn could result in *injury or loss of life*.

Repair Parts List consists of the following:

- a. Color-coded line drawings.
- b. Drawing table.

Drawing table consists of four columns. Each column provides information on parts identified by color-coded line drawing.

##### B-4. EXPLANATION OF COLUMNS (SECTIONS II AND VI).

- a. **ITEM NO. (Column (1)).** This indicates number used to identify items called out in illustration.
- b. **PART NUMBER (Column (2)).** This indicates primary number used by manufacturer (individual, company, firm, corporation, or government activity), who controls item's design and characteristics by means of its engineering drawings, specifications standards, and inspection requirements to identify item or range of items.

**B-4. EXPLANATION OF COLUMNS (SECTIONS II AND VI). (CONT.)**

- c. **NSN (Column (3)).** This column lists NSN for item.  
No Cost Replacement Part and Assembly Requisitioning:  
Sustainment, Asset Visibility, and Information Exchange (SSAVIE)  
Commands must ensure SSAVIE access is granted to only those individuals requiring access commensurate with their duties, i.e. Ordnance Officer, Supply Officer, and Armorers. To obtain access to SSAVIE or to requisition replacement parts, go to <http://ssavie.sofsa.mil>.
- d. **NOMENCLATURE (Column (4)).** This column lists Federal item name and when required a minimum description to identify item.

**B-5. COLORS DEFINED.**

- a. Red – Components and accessories defined by color *RED* are to be repaired or replaced at Depot Level Maintenance only. Organizational Level (O-Level) maintenance personnel are not authorized to repair, replace, alter, or modify parts, assemblies, subassemblies, or components defined by RED. *This does not prohibit inspection of RED parts by O-Level maintenance personnel.*
- b. Yellow – Components and accessories defined by color YELLOW can be repaired or replaced at O-Level maintenance. However, these parts or accessories are not supported by NSWC Crane and must be procured through authorized commercial sources or internal supply system.
- c. Green – Components and accessories defined by color GREEN can be repaired or replaced at O-Level or Depot Level maintenance and are supported by use of three different systems.

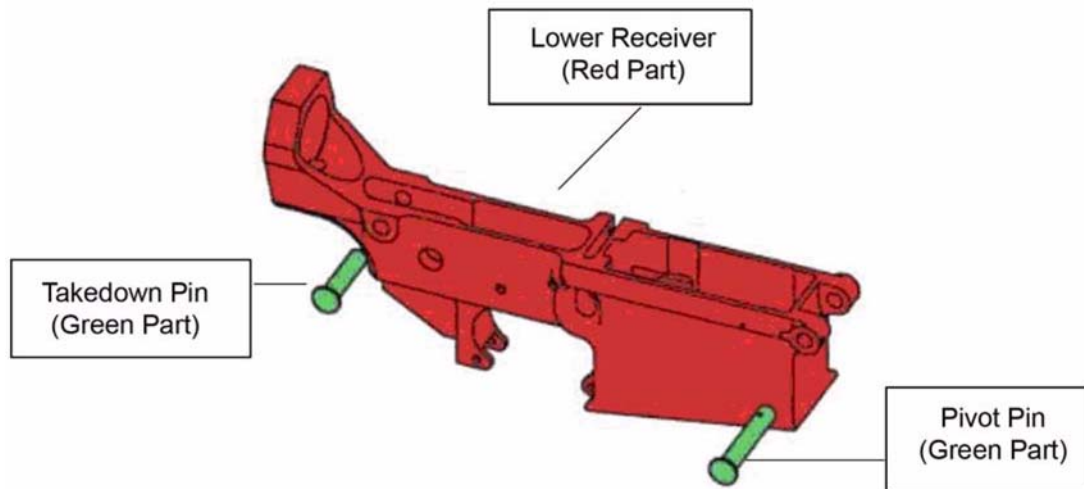
Color	Level of Maintenance	Support
Red	Depot	Commercial or NSWC Crane
Yellow	Depot or O-Level	Commercial
Green	O-Level or Depot	Special Operations Force (SOF) Weapons Program Navy Supply Open Purchase

**B-6. SUPPORT EXPLANATION.**

- a. Navy Supply – Weapon parts with NSN can be ordered through standard Navy Supply System.
- b. SOF Weapons/Special Operation Particular Modifications (SOPMOD) – These items are supported by Program Managers at NSWC Crane.
- c. Open Purchase – These parts are items for Naval Special Warfare unique weapon parts that have not had NSNs assigned. These parts require Commands to Open Purchase parts from commercial sources (normally original weapon manufacturer).

All assemblies, subassemblies, components, and parts are to be inspected and maintained IAW Operator's Manuals and TRS Manuals. Color coding simply defines who is authorized to repair or replace particular weapon components. Manuals containing color drawings of components reinforce instructions for authorized maintenance. DO NOT confuse photographs with drawings. Photographs used in manuals are for illustration only and do not reflect authorized levels of maintenance.

In an instance where a Green Part is interfaced with a Red Part, O-Level maintenance is authorized to replace or repair Green Part as long as Red Part is not altered or modified. An example of this is outlined below:

**B-6. SUPPORT EXPLANATION. (CONT.)**

Lower receiver (Red Part) *cannot* be repaired or replaced by O-Level Maintenance. Takedown pin and pivot pin (Green Parts) can be repaired or replaced by O-Level Maintenance as long as Red Part is not modified or altered (i.e. enlarge hole by filing or tapping) to accommodate Green Part.

**B-7. EXPLANATION OF COLUMNS.****a. NSN INDEX (SECTION III).**

- (1) **NSN Column.** This column lists NSN by NIIN sequence. NIIN consists of the last nine digits of NSN (i.e., 5305-01-674-1467). When using this column to locate an item, ignore first 4 digits of NSN.
- (2) **FIGURE Column.** This column lists number of figure where item is identified or located. The figures are in numerical order in Section II and Section III.
- (3) **ITEM NUMBER Column.** Item number identifies item associated with figure listed in adjacent Figure column. This item is also identified by NSN listed on same line.

**b. PART NUMBER INDEX (SECTION IV).** Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination, which places first letter or digit of each group in order A through Z followed by numbers 0 through 9 and each following letter or digit in like order).

- (1) **PART NUMBER Column.** This indicates primary number used by manufacturer (individual, firm, corporation, or government activity), who controls item's design and characteristics by means of its engineering drawings, specifications standards, and inspection requirements to identify item or range of items.
- (2) **NSN Column.** This column lists NSN for associated part number and manufacturer identified in PART NUMBER column to left.
- (3) **FIGURE Column.** This column lists number of figure where item is identified or located in Sections II and III.
- (4) **ITEM column.** Item number is number assigned to item as it appears in figure referenced in adjacent figure number column.

**B-7. EXPLANATION OF COLUMNS (CONT.)****c. FIGURE AND ITEM NUMBER INDEX (SECTION V).**

- (1) **FIGURE Column.** This column lists number of figure where item is identified or located in Section II and Section III.
- (2) **ITEM Column.** Item number assigned to item as it appears in figure reference in adjacent figure number column.
- (3) **NSN Column.** This column lists NSN for item.
- (4) **PART NUMBER Column.** This indicates primary number used by manufacturer (individual, company, firm, corporation, or government activity), who controls item's design and characteristics by means of its engineering drawings, specifications standards, and inspection requirements to identify item or range of items.

**B-8. SPECIAL INFORMATION.**

- a. **ASSEMBLY INSTRUCTIONS.** Detailed assembly instructions for items source coded to be assembled from component spare parts are found in Chapter 2 of this TRS. Items that make up assembly are listed immediately following assembly item entry or reference is made to applicable drawing.

**B-9. HOW TO LOCATE REPAIR PARTS.****a. When NSN or Part Number is not known.**

- (1) Using the table of contents, determine assembly group or subassembly group to which item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups and listings are divided into same groups.
- (2) Find figure covering assembly group or subassembly group to which item belongs.
- (3) Identify item on figure and note item number.
- (4) Refer to Repair Parts List for figure to find part number for item.
- (5) Refer to Part Number index to find NSN, if assigned.

**b. When NSN or Part Number is known.**

- (1) Using NSN or Part Numbers, find pertinent NSN or Part Number. NSN index is in NIIN sequence. Part numbers in Part Number Index are listed in ascending alphanumeric sequence. Both indexes cross-reference you to illustration figure and item number.
- (2) After finding figure and item number, verify that item is the one you seek. Then locate item number in repair parts list for figure.

## Section II. REPAIR PARTS LIST

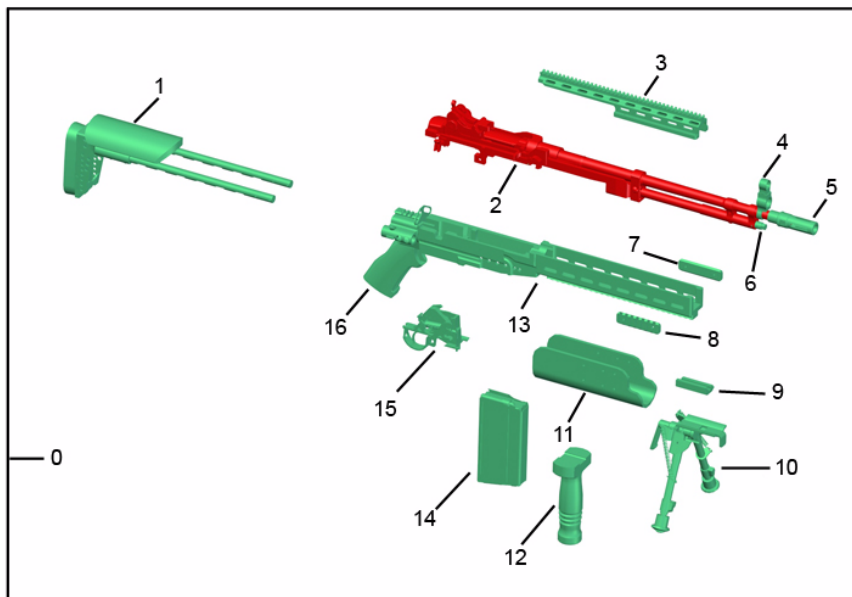


Figure B-1. 7.62 mm, MK 14 MOD 0.

Item Number	Part Number	NSN	Nomenclature
0	N/A	1005-01-525-7718	7.62 mm, MK 14 MOD 0
1	90903	N/A	Buttstock Assembly
2	N/A	N/A	Barreled Receiver
3	90901	N/A	Top Cover
4	11-21665-580 1R-USN2	N/A	Front Sight
5	2000V	N/A	Flash Eliminator
6	7267053	5365-00-587-8400	Gas Cylinder Plug
7	90916	N/A	Left Side Rail
8	90917	N/A	Right Side Rail
9	98060	N/A	Bipod Mount
10	1A1-BRM	N/A	Bipod
11	90907	N/A	Fore Grip
12	90906	N/A	Vertical Grip
13	B009044	N/A	Assembly, Chassis Stock
14	7790183	1005-00-628-9048	Magazine Assembly
15	7790195	N/A	Firing Mechanism
16	90905	N/A	Pistol Grip, Buttstock

Table B-1. 7.62 mm, MK 14 MOD 0.

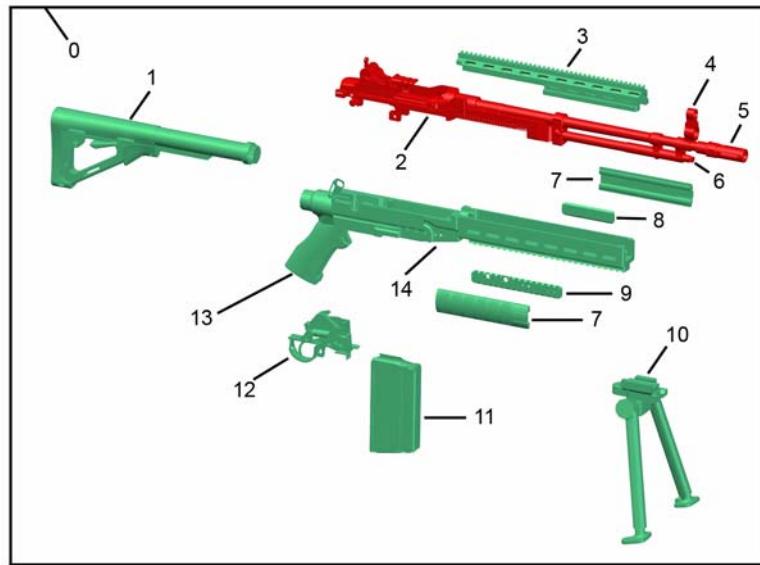


Figure B-2. 7.62 mm, MK 14 MOD 1.

Item Number	Part Number	NSN	Nomenclature
0	N/A	N/A	7.62 mm, MK 14 MOD 1
1	N/A	1005-LL-L99-7960	Buttstock
2	N/A	N/A	Barreled Receiver
3	90901	N/A	Top Cover
4	11-2166S-580-1-USN2	N/A	Front Sight
5	762FA-FA	N/A	Flash Eliminator
6	7267053	5365-00-587-8400	Gas Cylinder Plug
7	BP-4-EARTH-31	N/A	Tangodown Rail Covers 6"
8	N/A	N/A	Picatinny 1913 Side Rails
9	N/A	N/A	Picatinny 1913 Side Rails
10	ACB-4	N/A	Tangodown Bipod
11	7790183	1005-00-628-9048	M14 Magazine
12	7790195	N/A	Firing Mechanism Assembly
13	N/A	N/A	Rear Grip
14	CLIN 0003 (CRE version)	N/A	Chassis Stock System

Table B-2. 7.62 mm, MK 14 MOD 1.

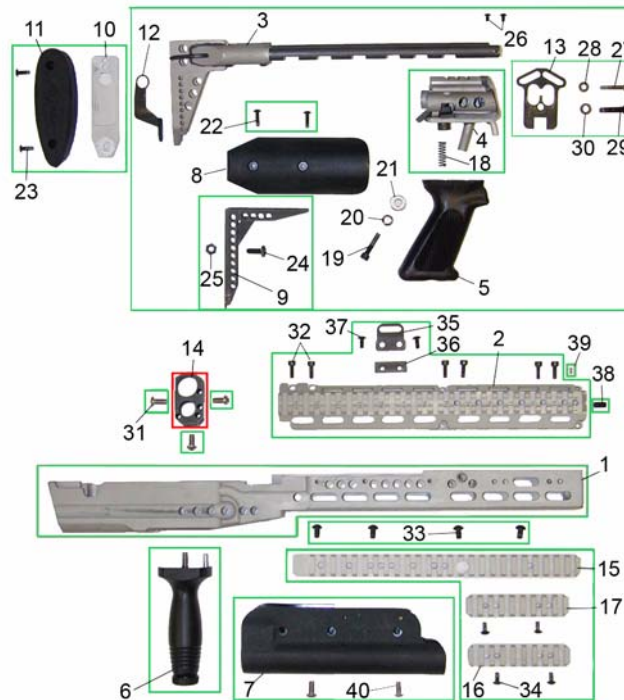


Figure B-3. MK 14 MOD 0 Stock Chassis Assembly.

Item Number	Part Number	NSN	Nomenclature
1	90900	N/A	Stock Chassis, Compact Model
2	90901	N/A	Top Cover
3	90903	N/A	Buttstock Strutt Assembly
4	90904	N/A	Buttstock Main Body Assembly
5	90905 (30158)	N/A	Pistol Grip, Buttstock
6	90906	N/A	Vertical Grip Assembly
7	90907	N/A	Foregrip (Kydex)
8	90908	N/A	Cheekrest
9	90909	N/A	Elevator, Cheekrest Support
10	90910 (30214)	N/A	Recoil Pad
11	90911	N/A	Buttplate Intermediate Spacer
12	90912	N/A	Elevator Cheekrest Lock Wrench
13	90913	N/A	Chassis Sling Attachment Plate
14	90914	N/A	Chassis Operating Rod Guide
15	90915	N/A	Bottom Rail
16	90916	N/A	Left Side Rail

Table B-3. MK 14 MOD 0 Stock Chassis Assembly.

Item Number	Part Number	NSN	Nomenclature
17	90917	N/A	Right Side Rail
18	90918 (30361)	N/A	Stock Lock Bar Return Spring
19	90919 (30363)	N/A	Pistol Grip Mounting Screw
20	90920 (30368)	N/A	Pistol Grip Mounting Screw Lock Washer
21	90921 (30364)	N/A	Pistol Grip Mounting Screw Flat Washer
22	90922 (30348) or BD43396	N/A	Cheekrest Mounting Screw (2 each)
23	90923 (30354)	N/A	Recoil Pad Mounting Screw (2 each)
24	90924 (30343)	N/A	Elevator Lock Screw
25	90925 (30344)	N/A	Elevator Lock Nut
26	90926 (30353)	N/A	Buttstock Strutt Stop Screw (2 each)
27	90927 (30366)	N/A	Buttstock Main Body Secondary Mounting Screw
28	90928 (30395)	N/A	Buttstock Main Body Secondary Mounting Screw Flat Washer
29	90929 (30365)	N/A	Buttstock Main Body Primary Mounting Screw
30	90930 (30367)	N/A	Buttstock Main Body Primary Mounting Screw Washer
31	90931 (30385) or BD5719	N/A	Operating Rod Guide Screw (3 each)
32	90932 (30378) or BD4863	N/A	Top Cover Attachment Screw (6 each)
33	90933 (30382) or BD5469	N/A	Bottom Rail Attachment Screw (4 each)
34	90934 (30377) or BD4394	N/A	Side Rail Attachment Screw (4 each)
35	90935	N/A	Front Sling Attachment
36	90936	N/A	Front Sling Attachment Backplate
37	90937 (30377) or BD4394	N/A	Front Sling Attachment Screw (2 each)
38	90938 (30386) or BD7032	N/A	Barrel Tensioning Screw
39	90939 (30387) or BD7003	N/A	Barrel Tensioning Screw Lock Screw
40	90940 (30394) or BD4411	N/A	Foregrip Retaining Screw (2 each)

Table B-3. MK 14 MOD 0 Stock Chassis Assembly. (cont.)

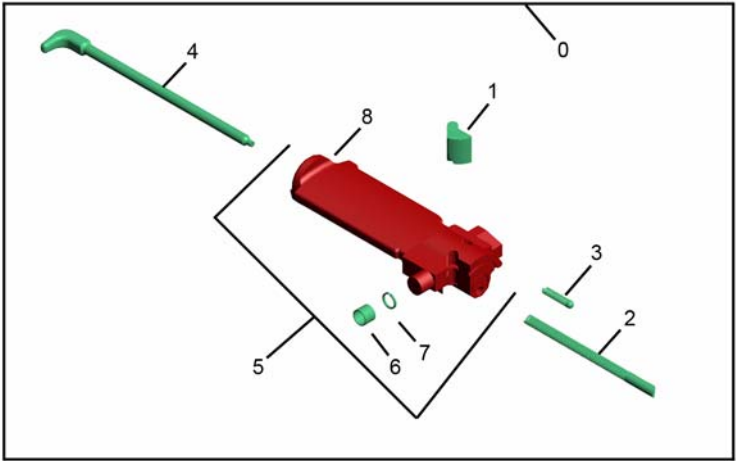


Figure B-4. MK 14 MOD 0/1 Bolt Assembly.

Item Number	Part Number	NSN	Nomenclature
0	7790187	N/A	Assembly, Bolt
1	7791578	1005-00-953-9504	Extractor
2	7267015	1005-00-587-8381	Ejector with Spring
3	6008618	1005-00-600-8618	Plunger, Extractor Spring
4	11686413	1005-00-921-5248	Firing Pin
5	N/A	N/A	Sub-assembly, Bolt Breech
6	7267065	3120-00-587-8405	Linear-Rotary Roller
7	7267059	1005-00-587-8402	Retainer, Bolt Roller
8	7790186	1005-00-628-9050	Bolt

Table B-4. MK 14 MOD 0/1 Bolt Assembly.

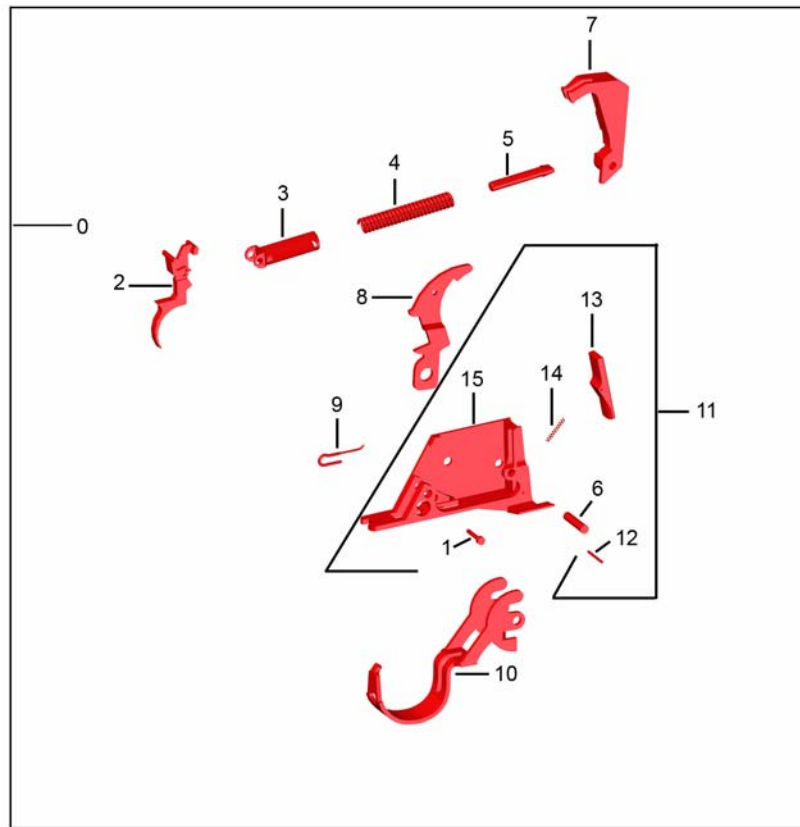


Figure B-5. MK 14 MOD 0/1 Firing Mechanism.

Item Number	Part Number	NSN	Nomenclature
0	7790195	N/A	Firing Mechanism
1	7791367	5315-00-819-4501	Pin, Trigger
2	N/A	N/A	Assembly, Trigger and Sear, Adjustable
3	6008883	1005-00-600-8883	Housing, Hammer Spring
4	6008887	1005-00-600-8887	Spring, Hammer
5	6008880	1005-00-600-8880	Plunger, Hammer Spring
6	5013668	5315-00-501-3668	Pin, Hammer
7	5546008	1005-00-554-6008	Hammer, Firing
8	5546015	1005-00-554-6015	Safety, Small Arms
9	7267080	1005-00-587-8414	Spring, Safety
10	7790990	1005-00-587-6988	Guard, Trigger
11	7790196	1005-00-628-9055	Assembly, Housing, Trigger
12	7791418	5315-00-994-4242	Pin, Magazine Latch
13	7267032	1005-00-587-8389	Latch, Magazine
14	7267041	5360-00-587-8395	Spring, Magazine Latch
15	7267030	N/A	Housing Trigger

Table B-5. MK 14 MOD 0/1 Firing Mechanism.

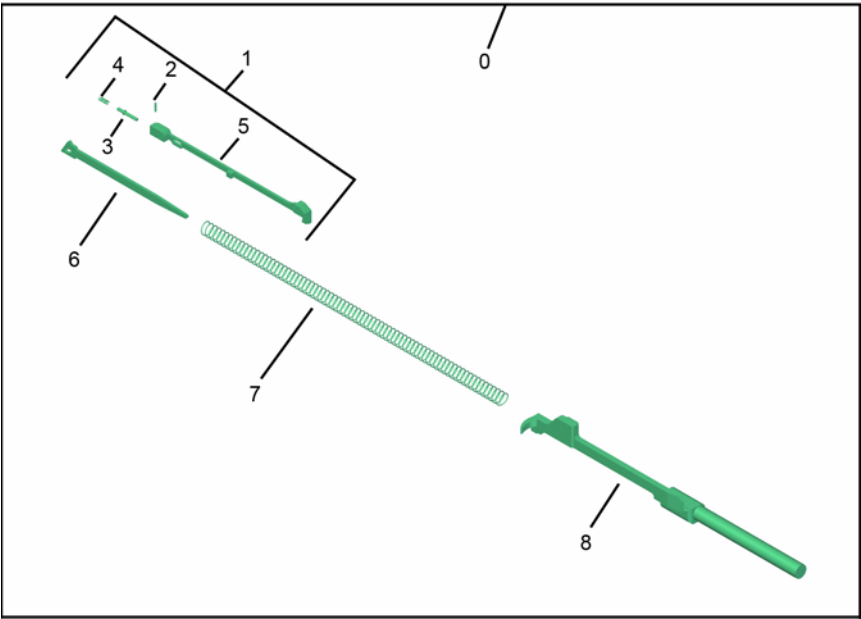


Figure B-6. MK 14 MOD 0/1 Operating Rod and Connector Assembly.

Item Number	Part Number	NSN	Nomenclature
0	N/A	N/A	Assembly, Operating Rod and Connector
1	7790424	1005-00-678-9824	Assembly, Connector
2	MS16562-107	5315-00-051-6891	Pin, Spring
3	7790426	5340-00-678-9826	Plunger, Connector
4	7790427	1005-00-678-9827	Spring, Connector
5	7790425	N/A	Body, Connector
6	7367027	100500-587-8386	Guide, Operating Rod Spring
7	7267079	5360-00-587-8413	Spring, Operating Rod
8	7267064	1005-00-587-8404	Rod, Operating

Table B-6. MK 14 MOD 0/1 Operating Rod and Connector Assembly.

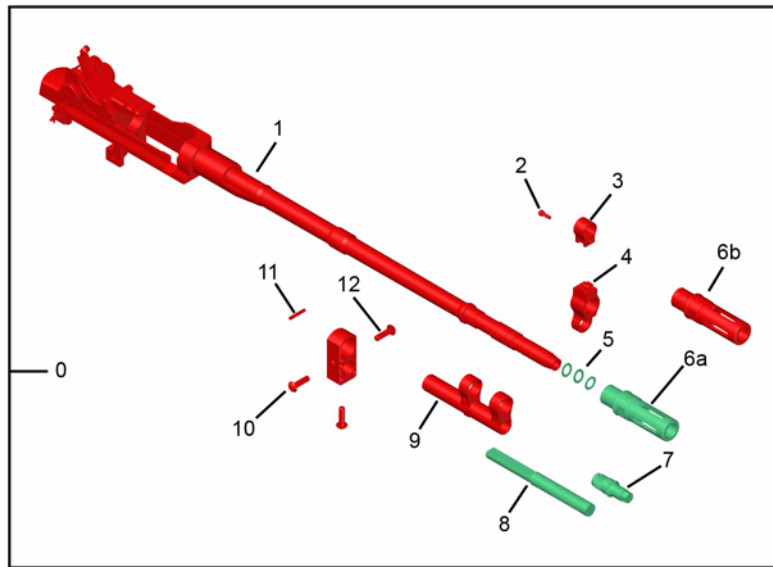
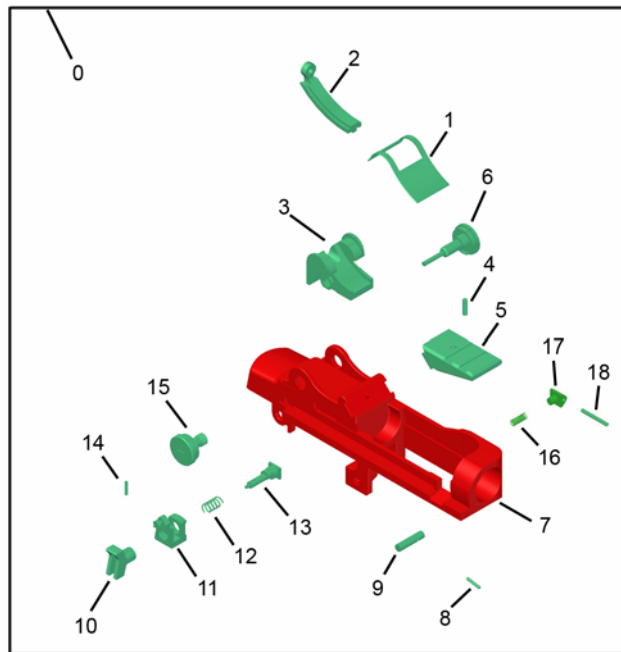


Figure B-7. MK 14 MOD 0/1 Barrel Group.

Item Number	Part Number	NSN	Nomenclature
0	N/A	N/A	MK 14 Barrel Group
1	AA-1-1CS	N/A	18 inch Barrel
2	11010298	5305-00-921-6155	Front Sight Screw
3	N/A	N/A	Front Sight Ring
4	2013	N/A	Gas Lock/Sight Base
5	N/A	N/A	Shims
6a	2000V	N/A	Flash Eliminator (MOD 0)
6b	762FA -FA only	N/A	Flash Suppressor (MOD 1)
7	7267047	1005-00-587-8398	Gas Piston
8	7267053	5365-00-587-8400	Gas Cylinder Plug
9	7790902	1005-00-790-8766	Gas Cylinder
10	90931 (30385)	N/A	Operator Rod Guide Screws
11	MS-51923-465	5315-00-923-9440	Operator Rod Guide Pin
12	90914	N/A	Chassis, Operating Rod Guide

Table B-7. MK 14 MOD 0/1 Barrel Group.



**Figure B-8. MK 14 MOD 0 Receiver Group.**

Item Number	Part Number	NSN	Nomenclature
0	N/A	N/A	Receiver Group, MK 14 MOD 0 Rifle
1	6008872	1005-00-600-8872	Cover
2	22-2213A-125-1	N/A	Aperture Aperture (Alternate)
3	5546001	1005-00-554-6001	Rear Sight Base
4	30389	N/A	Stripper Lock Screw
5	30400	N/A	Stripper Rail (assembly)
6	11010363	1005-00-999-3399	Elevating Pinion Assembly
7	N/A	N/A	Receiver
8	7267035	5315-00-587-8391	Connector Lock Pin
9	7267042	5315-00-587-8396	Straight Headless Pin
10	7790192	1005-00-628-9053	Sear Release
11	7267072	1005-00-587-8420	Selector Shaft
12	7277081	1005-00-587-8415	Selector Spring
13	7267071	1005-00-587-8408	Selector
14	7267081	5315-00-051-6891	Selector Pin
15	7312737	5355-00-731-2737	Windage Knob
16	MS-16562-124	1005-00-587-8411	Bolt Lock Spring
17	2003	N/A	Extended Bolt Lock
18	7790189	5315-00-839-0897	Bolt Lock Pin

Table B-8. MK 14 MOD 0 Receiver Group.

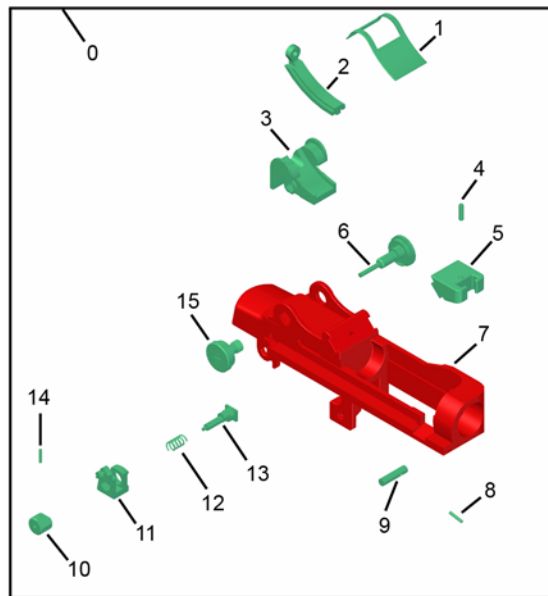


Figure B-9. MK 14 MOD 1 Receiver Group.

Item Number	Part Number	NSN	Nomenclature
0	N/A	N/A	Receiver Group, MK 14 MOD 1 Rifle, 7.62 mm
1	6008872	1005-00-600-8872	Cover
2	22-2213A-125-1 NAVSEA 8166477	XS Sight Systems 1005-00-600-8868	Aperture Aperture (Alternate)
3	5546001	1005-00-554-6001	Rear Sight Base
4	SAA	N/A	Stripper Lock Screw
5	SAA	N/A	Stripper Rail (assembly)
6	11010363	1005-00-999-3399	Elevating Pinion Assembly
7	N/A	N/A	Receiver
8	7267035	5315-00-587-8391	Connector Lock Pin
9	7267042	5315-00-587-8396	Straight Headless Pin
10	7790192	1005-00-628-9053	Sear Release
11	7267072	1005-00-587-8420	Selector Shaft
12	7277081	1005-00-587-8415	Selector Spring
13	7267071	1005-00-587-8408	Selector
14	SAA	N/A	Selector Pin
15	7312737	5355-00-731-2737	Windage Knob

Table B-9. MK 14 MOD 1 Receiver Group.

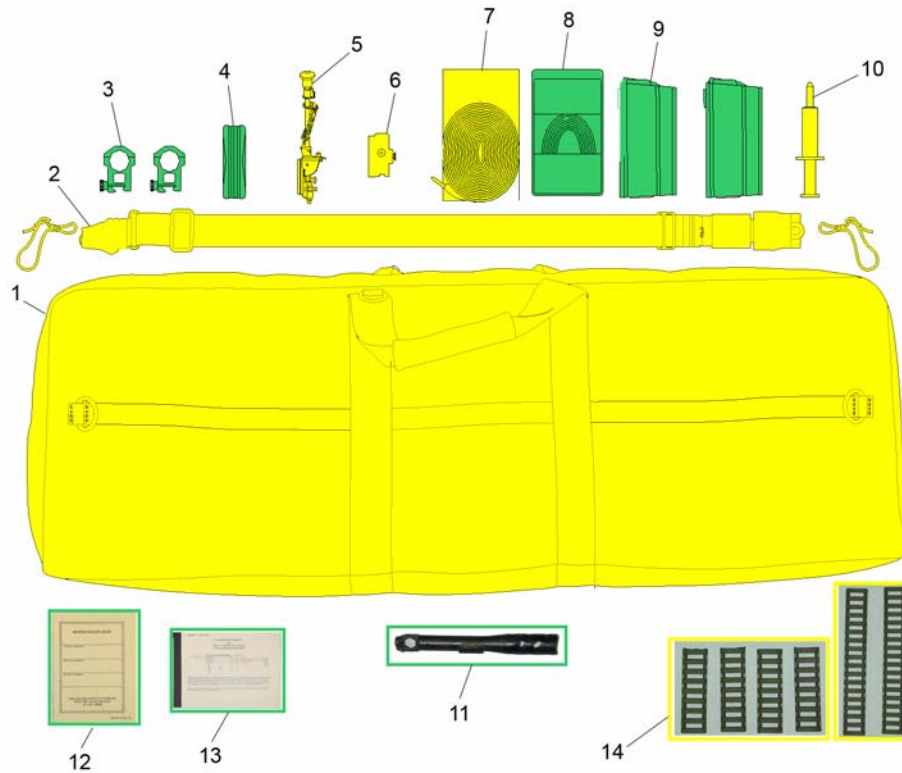


Figure B-10. MK 14 Accessories.

Item Number	Part Number	Source NSN	Nomenclature
1	DCM14	Eagle Industries	EBR Soft Case
2	TAS-M14	Buffer Technologies	EBR Sling Assembly
3	1005-306-29	Badger Ordnance	EBR Rings (PAIR) (MOD 1 only)
4	67255281	MSC	Mk14 EBR Tool
5	1A2-BRM	Harris Engineer	Bipod (MOD 0 only)
6	98060	Knight's Armament	Bipod Mount (MOD 0 only)
7	308-6	1005-01-451-5119	M14 Cleaning Kit (Otis)
8	24015	Hoppes	.30 Cal. Bore Snake
9	7790183	1005-00-628-9048	Magazine Assembly
10	G10CC	Shooter's Choice	Grease
11	7790769	4933-00-768-2011	M14 Combination Tool
12	28079 (5-90)GL	7610-LL-LN9-8954	Weapon Record Book
13	N/A	N/A	Operator's Manual, MK 14 MOD 0/1
14	4373CB	Falcon Industries	Ladder Rail Covers, Press-on

Table B-10. MK 14 Accessories.

**Section III. CROSS REFERENCE INDEXES, NATIONAL STOCK NUMBER**

<b>NSN</b>	<b>FIGURE</b>	<b>ITEM NUMBER</b>	<b>NSN</b>	<b>FIGURE</b>	<b>ITEM NUMBER</b>
1005-00-554-6001	B-8	3	1005-LL-L99-7960	B-2	1
1005-00-554-6001	B-9	3	3120-00-587-8405	B-4	6
1005-00-554-6008	B-5	7	4933-00-768-2011	B-10	11
1005-00-554-6015	B-5	8	5305-00-921-6155	B-7	2
1005-00-587-6988	B-5	10	5315-00-051-6891	B-6	2
1005-00-587-8381	B-4	2	5315-00-051-6891	B-8	14
1005-00-587-8386	B-6	6	5315-00-501-3668	B-5	6
1005-00-587-8389	B-5	13	5315-00-587-8391	B-8	8
1005-00-587-8398	B-7	7	5315-00-587-8391	B-9	8
1005-00-587-8402	B-4	7	5315-00-587-8396	B-8	9
1005-00-587-8404	B-6	8	5315-00-587-8396	B-9	9
1005-00-587-8408	B-8	13	5315-00-819-4501	B-5	1
1005-00-587-8408	B-9	13	5315-00-839-0897	B-8	18
1005-00-587-8411	B-8	16	5315-00-923-9440	B-7	11
1005-00-587-8414	B-5	9	5315-00-994-4242	B-5	12
1005-00-587-8415	B-8	12	5340-00-678-9826	B-6	3
1005-00-587-8415	B-9	12	5355-00-731-2737	B-8	15
1005-00-587-8420	B-8	11	5355-00-731-2737	B-9	15
1005-00-587-8420	B-9	11	5360-00-587-8395	B-5	14
1005-00-600-8618	B-4	3	5365-00-587-8400	B-1	6
1005-00-600-8872	B-8	1	5365-00-587-8400	B-2	6
1005-00-600-8872	B-9	1	5365-00-587-8400	B-7	8
1005-00-600-8880	B-5	5	5360-00-587-8413	B-6	7
1005-00-600-8883	B-5	3	7610-LL-LN9-8954	B-10	12
1005-00-600-8887	B-5	4	Badger Ordnance	B-10	3
1005-00-628-9048	B-1	14	Buffer Technologies	B-10	2
1005-00-628-9048	B-2	11	Eagle Industries	B-10	1
1005-00-628-9048	B-10	9	Falcon Industries	B-10	14
1005-00-628-9050	B-4	8	Harris Engineer	B-10	5
1005-00-628-9053	B-8	10	Hoppes	B-10	8
1005-00-628-9053	B-9	10	Knight's Armament	B-10	6
1005-00-628-9055	B-5	11	MSC	B-10	4
1005-00-678-9824	B-6	1	Shooter's Choice	B-10	10
1005-00-678-9827	B-6	4	XS Sight Systems 1005-00-600-8868	B-9	2
1005-00-790-8766	B-7	9	N/A	B-1	1
1005-00-921-5248	B-4	4	N/A	B-1	2
1005-00-953-9504	B-4	1	N/A	B-1	3
1005-00-999-3399	B-8	6	N/A	B-1	4
1005-00-999-3399	B-9	6	N/A	B-1	5
1005-01-451-5119	B-10	7	N/A	B-1	7
1005-01-525-7718	B-1	0	N/A	B-1	8

NSN	FIGURE	ITEM NUMBER	NSN	FIGURE	ITEM NUMBER
N/A	B-1	9	N/A	B-3	25
N/A	B-1	10	N/A	B-3	26
N/A	B-1	11	N/A	B-3	27
N/A	B-1	12	N/A	B-3	28
N/A	B-1	13	N/A	B-3	29
N/A	B-1	15	N/A	B-3	30
N/A	B-1	16	N/A	B-3	31
N/A	B-2	0	N/A	B-3	32
N/A	B-2	2	N/A	B-3	33
N/A	B-2	3	N/A	B-3	34
N/A	B-2	4	N/A	B-3	35
N/A	B-2	5	N/A	B-3	36
N/A	B-2	7	N/A	B-3	37
N/A	B-2	8	N/A	B-3	38
N/A	B-2	9	N/A	B-3	39
N/A	B-2	10	N/A	B-3	40
N/A	B-2	12	N/A	B-4	0
N/A	B-2	13	N/A	B-4	5
N/A	B-2	14	N/A	B-5	0
N/A	B-3	1	N/A	B-5	2
N/A	B-3	2	N/A	B-5	15
N/A	B-3	3	N/A	B-6	0
N/A	B-3	4	N/A	B-6	5
N/A	B-3	5	N/A	B-7	0
N/A	B-3	6	N/A	B-7	1
N/A	B-3	7	N/A	B-7	3
N/A	B-3	8	N/A	B-7	4
N/A	B-3	9	N/A	B-7	5
N/A	B-3	10	N/A	B-7	6a
N/A	B-3	11	N/A	B-7	6b
N/A	B-3	12	N/A	B-7	10
N/A	B-3	13	N/A	B-7	12
N/A	B-3	14	N/A	B-8	0
N/A	B-3	15	N/A	B-8	2
N/A	B-3	16	N/A	B-8	4
N/A	B-3	17	N/A	B-8	5
N/A	B-3	18	N/A	B-8	7
N/A	B-3	19	N/A	B-8	17
N/A	B-3	20	N/A	B-9	0
N/A	B-3	21	N/A	B-9	4
N/A	B-3	22	N/A	B-9	5
N/A	B-3	23	N/A	B-9	7
N/A	B-3	24	N/A	B-9	14
N/A	B-10	13			

**Section IV. CROSS REFERENCE INDEXES, PART NUMBER**

<b>PART NUMBER</b>	<b>NSN</b>	<b>FIGURE NUMBER</b>	<b>ITEM NUMBER</b>
1A1-BRM	N/A	B-1	10
1A2-BRM	Harris Engineer	B-10	5
11-2166S-580-1- USN2	N/A	B-2	4
11-21665-580 1R- USN2	N/A	B-1	4
22-2213A-125-1	N/A	B-8	2
22-2213A-125-1 NAVSEA 8166477	XS Sight Systems 1005-00- 600-8868	B-9	2
308-6	1005-01-451-5119	B-10	7
762FA-FA	N/A	B-2	5
762FA -FA only	N/A	B-7	6b
1005-306-29	Badger Ordnance	B-10	3
2000V	N/A	B-1	5
2000V	N/A	B-7	6a
2003	N/A	B-8	17
2013	N/A	B-7	4
4373CB	Falcon Industries	B-10	14
24015	Hoppes	B-10	8
28079 (5-90)GL	7610-LL-LN9-8954	B-10	12
30389	N/A	B-8	4
30400	N/A	B-8	5
90900	N/A	B-3	1
90901	N/A	B-1	3
90901	N/A	B-2	3
90901	N/A	B-3	2
90903	N/A	B-1	1
90903	N/A	B-3	3
90904	N/A	B-3	4
90905	N/A	B-1	16
90905 (30158)	N/A	B-3	5
90906	N/A	B-1	12
90906	N/A	B-3	6
90907	N/A	B-1	11
90907	N/A	B-3	7
90908	N/A	B-3	8
90909	N/A	B-3	9
90910 (30214)	N/A	B-3	10
90911	N/A	B-3	11
90912	N/A	B-3	12
90913	N/A	B-3	13
90914	N/A	B-3	14

<b>PART NUMBER</b>	<b>NSN</b>	<b>FIGURE NUMBER</b>	<b>ITEM NUMBER</b>
90914	N/A	B-7	12
90915	N/A	B-3	15
90916	N/A	B-1	7
90916	N/A	B-3	16
90917	N/A	B-1	8
90917	N/A	B-3	17
90918 (30361)	N/A	B-3	18
90919 (30363)	N/A	B-3	19
90920 (30368)	N/A	B-3	20
90921 (30364)	N/A	B-3	21
90922 (30348) or BD43396	N/A	B-3	22
90923 (30354)	N/A	B-3	23
90924 (30343)	N/A	B-3	24
90925 (30344)	N/A	B-3	25
90926 (30353)	N/A	B-3	26
90927 (30366)	N/A	B-3	27
90928 (30395)	N/A	B-3	28
90929 (30365)	N/A	B-3	29
90930 (30367)	N/A	B-3	30
90931 (30385)	N/A	B-7	10
90931 (30385) or BD5719	N/A	B-3	31
90932 (30378) or BD4863	N/A	B-3	32
90933 (30382) or BD5469	N/A	B-3	33
90934 (30377) or BD4394	N/A	B-3	34
90935	N/A	B-3	35
90936	N/A	B-3	36
90937 (30377) or BD4394	N/A	B-3	37
90938 (30386) or BD7032	N/A	B-3	38
90939 (30387) or BD7003	N/A	B-3	39
90940 (30394) or BD4411	N/A	B-3	40
98060	Knight's Armament	B-10	6
98060	N/A	B-1	9
5013668	5315-00-501-3668	B-5	6
5546001	1005-00-554-6001	B-8	3
5546001	1005-00-554-6001	B-9	3
5546008	1005-00-554-6008	B-5	7

<b>PART NUMBER</b>	<b>NSN</b>	<b>FIGURE NUMBER</b>	<b>ITEM NUMBER</b>
5546015	1005-00-554-6015	B-5	8
6008618	1005-00-600-8618	B-4	3
6008872	1005-00-600-8872	B-8	1
6008872	1005-00-600-8872	B-9	1
6008880	1005-00-600-8880	B-5	5
6008883	1005-00-600-8883	B-5	3
6008887	1005-00-600-8887	B-5	4
7267015	1005-00-587-8381	B-4	2
7267030	N/A	B-5	15
7267032	1005-00-587-8389	B-5	13
7267035	5315-00-587-8391	B-8	8
7267035	5315-00-587-8391	B-9	8
7267041	5360-00-587-8395	B-5	14
7267042	5315-00-587-8396	B-8	9
7267042	5315-00-587-8396	B-9	9
7267047	1005-00-587-8398	B-7	7
7267053	5365-00-587-8400	B-1	6
7267053	5365-00-587-8400	B-2	6
7267053	5365-00-587-8400	B-7	8
7267059	1005-00-587-8402	B-4	7
7267064	1005-00-587-8404	B-6	8
7267065	3120-00-587-8405	B-4	6
7267071	1005-00-587-8408	B-8	13
7267071	1005-00-587-8408	B-9	13
7267072	1005-00-587-8420	B-8	11
7267072	1005-00-587-8420	B-9	11
7267079	5360-00-587-8413	B-6	7
7267080	1005-00-587-8414	B-5	9
7267081	5315-00-051-6891	B-8	14
7277081	1005-00-587-8415	B-8	12
7277081	1005-00-587-8415	B-9	12
7312737	5355-00-731-2737	B-8	15
7312737	5355-00-731-2737	B-9	15
7367027	100500-587-8386	B-6	6
7790183	1005-00-628-9048	B-1	14
7790183	1005-00-628-9048	B-10	9
7790183	1005-00-628-9048	B-2	11
7790186	1005-00-628-9050	B-4	8
7790187	N/A	B-4	0
7790189	5315-00-839-0897	B-8	18
7790192	1005-00-628-9053	B-8	10
7790192	1005-00-628-9053	B-9	10
7790195	N/A	B-1	15

<b>PART NUMBER</b>	<b>NSN</b>	<b>FIGURE NUMBER</b>	<b>ITEM NUMBER</b>
7790195	N/A	B-2	12
7790195	N/A	B-5	0
7790196	1005-00-628-9055	B-5	11
7790424	1005-00-678-9824	B-6	1
7790425	N/A	B-6	5
7790426	5340-00-678-9826	B-6	3
7790427	1005-00-678-9827	B-6	4
7790769	4933-00-768-2011	B-10	11
7790902	1005-00-790-8766	B-7	9
7790990	1005-00-587-6988	B-5	10
7791367	5315-00-819-4501	B-5	1
7791418	5315-00-994-4242	B-5	12
7791578	1005-00-953-9504	B-4	1
11010298	5305-00-921-6155	B-7	2
11010363	1005-00-999-3399	B-8	6
11010363	1005-00-999-3399	B-9	6
11686413	1005-00-921-5248	B-4	4
67255281	MSC	B-10	4
AA-1-1CS	N/A	B-7	1
ACB-4	N/A	B-2	10
B009044	N/A	B-1	13
BP-4-EARTH-31	N/A	B-2	7
CLIN 0003 (CRE version)	N/A	B-2	14
DCM14	Eagle Industries	B-10	1
G10CC	Shooter's Choice	B-10	10
MS-16562-107	5315-00-051-6891	B-6	2
MS-16562-124	1005-00-587-8411	B-8	16
MS-51923-465	5315-00-923-9440	B-7	11
SAA	N/A	B-9	4
SAA	N/A	B-9	5
SAA	N/A	B-9	14
TAS-M14	Buffer Technologies	B-10	2
N/A	1005-01-525-7718	B-1	0
N/A	1005-LL-L99-7960	B-2	1
N/A	N/A	B-1	2
N/A	N/A	B-2	0
N/A	N/A	B-6	0
N/A	N/A	B-2	2
N/A	N/A	B-2	8
N/A	N/A	B-2	9
N/A	N/A	B-2	13
N/A	N/A	B-4	5

<b>PART NUMBER</b>	<b>NSN</b>	<b>FIGURE NUMBER</b>	<b>ITEM NUMBER</b>
N/A	N/A	B-5	2
N/A	N/A	B-7	0
N/A	N/A	B-7	3
N/A	N/A	B-7	5
N/A	N/A	B-8	0
N/A	N/A	B-8	7
N/A	N/A	B-9	0
N/A	N/A	B-9	7
N/A	N/A	B-10	13

**Section V. CROSS REFERENCE INDEXES, FIGURE AND ITEM NUMBER**

<b>FIGURE NUMBER</b>	<b>ITEM NUMBER</b>	<b>NSN</b>	<b>PART NUMBER</b>
B-1	0	1005-01-525-7718	N/A
B-1	1	N/A	90903
B-1	2	N/A	N/A
B-1	3	N/A	90901
B-1	4	N/A	11-21665-580 1R-USN2
B-1	5	N/A	2000V
B-1	6	5365-00-587-8400	7267053
B-1	7	N/A	90916
B-1	8	N/A	90917
B-1	9	N/A	98060
B-1	10	N/A	1A1-BRM
B-1	11	N/A	90907
B-1	12	N/A	90906
B-1	13	N/A	B009044
B-1	14	1005-00-628-9048	7790183
B-1	15	N/A	7790195
B-1	16	N/A	90905
B-2	0	N/A	N/A
B-2	1	1005-LL-L99-7960	N/A
B-2	2	N/A	N/A
B-2	3	N/A	90901
B-2	4	N/A	11-2166S-580-1-USN2
B-2	5	N/A	762FA-FA
B-2	6	5365-00-587-8400	7267053
B-2	7	N/A	BP-4-EARTH-31
B-2	8	N/A	N/A
B-2	9	N/A	N/A
B-2	10	N/A	ACB-4
B-2	11	1005-00-628-9048	7790183
B-2	12	N/A	7790195
B-2	13	N/A	N/A
B-2	14	N/A	CLIN 0003 (CRE version)
B-3	1	N/A	90900
B-3	2	N/A	90901
B-3	3	N/A	90903
B-3	4	N/A	90904
B-3	5	N/A	90905 (30158)
B-3	6	N/A	90906
B-3	7	N/A	90907
B-3	8	N/A	90908
B-3	9	N/A	90909
B-3	10	N/A	90910 (30214)
B-3	11	N/A	90911

FIGURE NUMBER	ITEM NUMBER	NSN	PART NUMBER
B-3	12	N/A	90912
B-3	13	N/A	90913
B-3	14	N/A	90914
B-3	15	N/A	90915
B-3	16	N/A	90916
B-3	17	N/A	90917
B-3	18	N/A	90918 (30361)
B-3	19	N/A	90919 (30363)
B-3	20	N/A	90920 (30368)
B-3	21	N/A	90921 (30364)
B-3	22	N/A	90922 (30348) or BD43396
B-3	23	N/A	90923 (30354)
B-3	24	N/A	90924 (30343)
B-3	25	N/A	90925 (30344)
B-3	26	N/A	90926 (30353)
B-3	27	N/A	90927 (30366)
B-3	28	N/A	90928 (30395)
B-3	29	N/A	90929 (30365)
B-3	30	N/A	90930 (30367)
B-3	31	N/A	90931 (30385) or BD5719
B-3	32	N/A	90932 (30378) or BD4863
B-3	33	N/A	90933 (30382) or BD5469
B-3	34	N/A	90934 (30377) or BD4394
B-3	35	N/A	90935
B-3	36	N/A	90936
B-3	37	N/A	90937 (30377) or BD4394
B-3	38	N/A	90938 (30386) or BD7032
B-3	39	N/A	90939 (30387) or BD7003
B-3	40	N/A	90940 (30394) or BD4411
B-4	0	N/A	7790187
B-4	1	1005-00-953-9504	7791578
B-4	2	1005-00-587-8381	7267015
B-4	3	1005-00-600-8618	6008618
B-4	4	1005-00-921-5248	11686413
B-4	5	N/A	N/A
B-4	6	3120-00-587-8405	7267065
B-4	7	1005-00-587-8402	7267059
B-4	8	1005-00-628-9050	7790186
B-5	0	N/A	7790195
B-5	1	5315-00-819-4501	7791367
B-5	2	N/A	N/A
B-5	3	1005-00-600-8883	6008883
B-5	4	1005-00-600-8887	6008887
B-5	5	1005-00-600-8880	6008880
B-5	6	5315-00-501-3668	5013668

FIGURE NUMBER	ITEM NUMBER	NSN	PART NUMBER
B-5	7	1005-00-554-6008	5546008
B-5	8	1005-00-554-6015	5546015
B-5	9	1005-00-587-8414	7267080
B-5	10	1005-00-587-6988	7790990
B-5	11	1005-00-628-9055	7790196
B-5	12	5315-00-994-4242	7791418
B-5	13	1005-00-587-8389	7267032
B-5	14	5360-00-587-8395	7267041
B-5	15	N/A	7267030
B-6	0	N/A	N/A
B-6	1	1005-00-678-9824	7790424
B-6	2	5315-00-051-6891	MS16562-107
B-6	3	5340-00-678-9826	7790426
B-6	4	1005-00-678-9827	7790427
B-6	5	N/A	7790425
B-6	6	100500-587-8386	7367027
B-6	7	5360-00-587-8413	7267079
B-6	8	1005-00-587-8404	7267064
B-7	0	N/A	N/A
B-7	1	N/A	AA-1-1CS
B-7	2	5305-00-921-6155	11010298
B-7	3	N/A	N/A
B-7	4	N/A	2013
B-7	5	N/A	N/A
B-7	6a	N/A	2000V
B-7	6b	N/A	762FA -FA only
B-7	7	1005-00-587-8398	7267047
B-7	8	5365-00-587-8400	7267053
B-7	9	1005-00-790-8766	7790902
B-7	10	N/A	90931 (30385)
B-7	11	5315-00-923-9440	MS-51923-465
B-7	12	N/A	90914
B-8	0	N/A	N/A
B-8	1	1005-00-600-8872	6008872
B-8	2	N/A	22-2213A-125-1
B-8	3	1005-00-554-6001	5546001
B-8	4	N/A	30389
B-8	5	N/A	30400
B-8	6	1005-00-999-3399	11010363
B-8	7	N/A	N/A
B-8	8	5315-00-587-8391	7267035
B-8	9	5315-00-587-8396	7267042
B-8	10	1005-00-628-9053	7790192
B-8	11	1005-00-587-8420	7267072

FIGURE NUMBER	ITEM NUMBER	NSN	PART NUMBER
B-8	12	1005-00-587-8415	7277081
B-8	13	1005-00-587-8408	7267071
B-8	14	5315-00-051-6891	7267081
B-8	15	5355-00-731-2737	7312737
B-8	16	1005-00-587-8411	MS-16562-124
B-8	17	N/A	2003
B-8	18	5315-00-839-0897	7790189
B-9	0	N/A	N/A
B-9	1	1005-00-600-8872	6008872
B-9	2	XS Sight Systems 1005-00-600-8868	22-2213A-125-1 NAVSEA 8166477
B-9	3	1005-00-554-6001	5546001
B-9	4	N/A	SAA
B-9	5	N/A	SAA
B-9	6	1005-00-999-3399	11010363
B-9	7	N/A	N/A
B-9	8	5315-00-587-8391	7267035
B-9	9	5315-00-587-8396	7267042
B-9	10	1005-00-628-9053	7790192
B-9	11	1005-00-587-8420	7267072
B-9	12	1005-00-587-8415	7277081
B-9	13	1005-00-587-8408	7267071
B-9	14	N/A	SAA
B-9	15	5355-00-731-2737	7312737
B-10	1	Eagle Industries	DCM14
B-10	2	Buffer Technologies	TAS-M14
B-10	3	Badger Ordnance	1005-306-29
B-10	4	MSC	67255281
B-10	5	Harris Engineer	1A2-BRM
B-10	6	Knight's Armament	98060
B-10	7	1005-01-451-5119	308-6
B-10	8	Hoppes	24015
B-10	9	1005-00-628-9048	7790183
B-10	10	Shooter's Choice	G10CC
B-10	11	4933-00-768-2011	7790769
B-10	12	7610-LL-LN9-8954	28079 (5-90)GL
B-10	13	N/A	N/A
B-10	14	Falcon Industries	4373CB

**Section VI. SPECIAL TOOLS LIST**

<b>Item Number</b>	<b>Part Number</b>	<b>NSN</b>	<b>Nomenclature</b>
1	HS308WIN NO GO	NAVSEA 8166476	Modified Manson NO GO Gauge (1.636)
2	HS308WIN1.632	NAVSEA 8166476	MK 14 GO Gauge Modified Manson (1.632)
3	7274761	4933-00-647-3697	Throat Erosion Gauge
4	11015416	4933-00-916-9189	Barrel Straightness Gauge
5	7274736	4933-00-345-6122	Firing Pin Protrusion Gauge (0.044-0.060)
6	745839	5220-00-745-8398	Firing Pin Hole Gauge
7	7274757	4933-00-647-3695	Gas Piston Snap Gauge NO GO 0.4968" dia
8	N/A	N/A	Stacked Weights
9	N/A	N/A	Lyman Trigger Pull Gauge
10	77916071	4933-00-055-5996	MOD 1 Bolt Assembly Tool
11	MA5060	N/A	Gas Lock Wrench
12	N/A	N/A	3/8" Combination Tool
13	N/A	GSA	Wrench

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## APPENDIX C

### EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

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#### Section I. INTRODUCTION

##### C-1. SCOPE.

This appendix lists expendable supplies and materials needed to operate and maintain weapon. These items are authorized by CTA 50-970, Expendable Items (Except Medical, Class V, Repair Parts, and Heraldic Items).

##### C-2. EXPLANATION OF COLUMNS.

- a. **Column 1, Item Number.** This number is assigned to entry in listing and is referenced in narrative instructions to identify material (e.g. Use CLP, item 1, App C).
- b. **Column (2), Level.** This column identifies lowest level of maintenance required.  
C – Operator  
O – Organizational Maintenance
- c. **Column 3, NSN.** This is NSN assigned to item; use it to request or requisition item.
- d. **Column 4, Description.** This indicates federal item name and, if required, a description to identify item. Last line for each item indicates Contractor and Government Entity Code (CAGEC) in parentheses followed by part number.
- e. **Column 5, Unit of Measure (U/M).** This indicates measure used in performing actual function. This measure is expressed by two-character alphabetical abbreviation (e.g., ea, in., pr). If U/M differs from unit of issue (U/I), requisition lowest U/I that will satisfy requirements.

**Section II. EXPENDABLE SUPPLIES AND MATERIALS LIST**

<b>(1) Item Number</b>	<b>(2) Level</b>	<b>(3) NSN</b>	<b>(4) Description</b>	<b>(5) U/M</b>
1	O	1005-00-494-6602	Brush, Cleaning, Small Arms (19204) 8448462	EA
2	O	9150-01-054-6453 9150-01-079-6142 9150-01-054-6453 9150-01-053-6688	Cleaner, Lubricant, Preservative (81349) MIL-L-63460) 4 oz bottle 1 pint bottle 1 gal can	OZ PT GAL
3	O	7920-00-205-1711	Rag, Wiping (58536) A-A-2522 50 lb. bottle	LB
4	O	7930-01-342-5316 7930-01-306-8369 7930-01-342-5317	Compound, Cleaning, Simple Green (IZ575) 5 gal container 1 gal container 24 oz bottle	GAL GAL OZ
5	O	6850-01-381-4401	Solvent, Cleaning, Skysol 100	OZ
6	O	N/A	Shooters Choice Bore Cleaner	OZ

## APPENDIX D

### FIELD REJECT ASSESSMENT CHECKLIST

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Figure D-1. Rifle 7.62 mm MK 14 MOD 0.



Figure D-2. Rifle 7.62 mm MK 14 MOD 1.

#### D-1. REFERENCES.

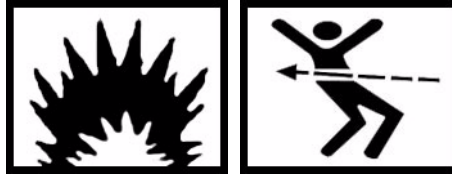
SW370-A2-OPI-010 Rev 1	Operator's Manual	Rifle, 7.62 mm, MK 14 MOD 0/1 Enhanced Battle Rifle (EBR)
SW370-A2-TRS-010	Technical Repair Standard	Rifle, 7.62 mm, MK 14 MOD 0/1 Enhanced Battle Rifle (EBR)
TM 750-224-7	Destruction of Equipment to Prevent Enemy Use	

#### D-2. GAUGES AND EQUIPMENT.

Gauge/Equipment	PN
Modified Manson NO GO Gauge (1.636)	HS308WIN NO GO
MK 14 GO Gauge Modified Manson (1.632)	HS308WIN1.632
Throat Erosion Gauge	7274761
Barrel Straightness Gauge	11015416
Firing Pin Protrusion Gauge (0.044-0.060)	7274736
Firing Pin Hole Gauge	745839
Gas Piston Snap Gauge NO GO 0.4968" dia	7274757
Stacked Weights	N/A
Lyman Trigger Pull Gauge	N/A



**NOTE**

Ensure weapon, bolt face, and chamber are clean prior to gauging.

**WARNING**

Before starting inspection, clear weapon. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.

Inspection	Required Action
<ol style="list-style-type: none"> <li>1. Check weapon for obvious damage or defects that would prohibit its continued operation.               <ol style="list-style-type: none"> <li>a. Bends and breaks.</li> <li>b. Lack of spring tension where there should be.</li> <li>c. Looseness of parts where there shouldn't be.</li> <li>d. Lack of free movement where there should be.</li> <li>e. Missing parts.</li> </ol> </li> <li>2. Check weapon for worn and/or shiny surfaces.</li> </ol>	<ol style="list-style-type: none"> <li>1. Complete detailed inspection of damaged assembly or subassembly, repair and replace <b>GREEN</b> parts as needed. In the event a <b>RED</b> part is missing or damaged, reject weapon and complete necessary turn in documentation (red tag).</li> <li>2. If more than 1/3 of surface finish is missing, reject weapon and complete necessary turn in documentation (red tag).</li> </ol>
<p style="text-align: center;"><b>NOTE</b></p> <p>Weapon must be fieldstripped and clean to perform following checks.</p> <ol style="list-style-type: none"> <li>3. Inspect headspace.               <ol style="list-style-type: none"> <li>a. Insert GO gauge (PN HS308WIN; 1.632) in chamber.</li> <li>b. Attempt to close bolt with light finger pressure only; bolt must fully lock.</li> <li>c. Insert NO GO gauge (PN HS308WIN; 1.636) in chamber.</li> <li>d. Attempt to close bolt with light finger pressure only; bolt must not fully lock.</li> </ol> </li> <li>4. Check throat erosion.               <ol style="list-style-type: none"> <li>a. Insert throat erosion gauge (PN 7274761) into chamber with minimal finger pressure.</li> <li>b. Read wear indicated on gauge from edge of chamber area. Components are acceptable up to and including a gauge reading of 5.</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>3. If weapon fails headspace gauge, test weapon with another bolt. Reinspect with replacement bolt. If weapon fails headspace gauge requirements again, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.</li> <li>4. If weapon fails gauge requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.</li> </ol>

Inspection	Required Action
<p>5. Check barrel straightness.</p> <ol style="list-style-type: none"> <li>Placing butt of weapon on floor, place gauge into muzzle.</li> <li>Release gauge; gauge should fall according to own weight to length of barrel.</li> <li>Remove gauge by pulling through muzzle end. No resistance should be felt upon removal.</li> </ol> <p>6. Check firing pin protrusion.</p> <ol style="list-style-type: none"> <li>Gauge firing pin protrusion by pressing firing pin fully forward and sliding each end of firing pin protrusion gauge over firing pin.</li> <li>Minimum protrusion is 0.044 inch; firing pin must touch. Maximum protrusion is 0.060 inch; firing pin must not touch.</li> </ol> <p>7. Check firing pin hole erosion.</p> <ol style="list-style-type: none"> <li>Attempt to place firing pin hole erosion gauge into firing pin hole on bolt face.</li> <li>Gauge should not enter firing pin hole at any point on its circumference.</li> <li>Inspect firing pin hole for roundness. If hole is out of round, bolt has failed inspection.</li> </ol> <p>8. Gas piston snap gauge.</p> <ol style="list-style-type: none"> <li>If any part of rings of piston drop inside gauge, it fails test.</li> <li>Replace piston and retest.</li> </ol>	<p>5. If weapon fails gauge requirements, clean barrel and retest. If weapon fails second attempt, tag and return to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.</p> <p>6. If weapon fails gauge requirements, replace firing pin and retest. If weapon fails gauging test again, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.</p> <p>7. If weapon fails requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.</p> <p>8. If weapon fails gauge requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.</p> <p>9. If weapon fails gauge requirements, weapon should be tagged and returned to Receiving Officer, Naval Weapons Support Center, Crane, IN 47522-5020 IAW NAVSEAINST 8370.2.</p>
<p style="text-align: center;"><b>WARNING</b></p> <div style="display: flex; justify-content: center; gap: 20px;">   </div> <p>Before starting gauging, clear weapon. Do not pull trigger until weapon has been cleared. Inspect chamber to ensure it is empty, and check that no ammunition is in position to be introduced.</p> <p>9. Check trigger pull weight. Use either stacked weights or Lyman Electronic Trigger Pull Gauge.</p> <ol style="list-style-type: none"> <li>Assemble weapon.</li> <li>Disengage bolt lock; bolt should move forward and hammer remain cocked.</li> <li>Add weights to test fixture to total 4.5 lbs.</li> <li>Hold rifle vertically. Place end of fixture over center of trigger.</li> </ol>	

Inspection	Required Action
<p>9. Check trigger pull weight. Use either stacked weights or Lyman Electronic Trigger Pull Gauge. (cont.)</p> <ul style="list-style-type: none"> <li>e. Slowly raise rifle in a line parallel to barrel until fixture and weights are suspended.</li> <li>f. Hammer should not release.</li> <li>g. If using Lyman Trigger Pull Gauge, ensure that rifle is held in a stable position and that gauge is pulled steadily straight to rear.</li> <li>h. Hammer should not release with less than 4.5 lbs of pressure.</li> <li>i. If using stacked weights, add weight totaling 7.5 lbs and complete same process. Hammer must fall.</li> <li>j. If using Lyman Trigger Pull Gauge, hammer must fall at or between 5.5 lbs and 7.5lbs.</li> <li>k. If rifle fails trigger pull weight test, replace trigger assembly.</li> </ul> <p>10. Perform function check.</p> <ul style="list-style-type: none"> <li>a. Pull and release operating rod to cock weapon.</li> <li>b. With weapon in SAFE position, press trigger. Hammer should not fall.</li> <li>c. Place weapon in FIRE position, and press trigger. Hammer should fall.</li> <li>d. Insert empty magazine into weapon. Ensure positive retention in weapon by pulling down on magazine; magazine should remain in weapon.</li> <li>e. Depress magazine release; you should be able to remove magazine.</li> <li>f. Load <b>3 dummy rounds</b> in magazine, and insert magazine into weapon.</li> <li>g. Pull and release operating rod until both weapon and magazine are empty.</li> <li>h. Weapon should operate correctly (feed, chamber, extract etc.).</li> </ul>	<p>10. If weapon fails any part of function test, replace <b>GREEN</b> parts as needed and retest. In the event a <b>RED</b> part is damaged or unserviceable, reject weapon and complete necessary turn in documentation (red tag).</p> <p style="text-align: center;"><b>NOTE</b></p> <p>If bolt fails to lock to the rear after last round or magazine cannot be removed from weapon when magazine catch is depressed. Check magazine for serviceability prior to replacing rifle parts. A bad magazine can induce weapon stoppages.</p>

## APPENDIX E

### STANDARD FORM 368 PRODUCT QUALITY DEFICIENCY REPORT (PQDF)

The following is an example of SF368 Form. There is a form on the CD that can be completed and sent to smallarms@navy.mil.

PRODUCT QUALITY DEFICIENCY REPORT						<input type="checkbox"/> CATEGORY I <input type="checkbox"/> CATEGORY II	
1a. FROM (Originator)				2a. TO (Screening point)			
1b. TYPED NAME, TELEPHONE NO. AND SIGNATURE			1c. DATE	2b. NAME, TELEPHONE NO. AND SIGNATURE			2c. DATE
3. REPORT CONTROL NO.		4. DATE DEFICIENCY DISCOVERED	5. NATIONAL STOCK NO. (NSN)		6. NOMENCLATURE		
7a. MANUFACTURER/CITY/STATE			7b. MFRS. CODE	7c. SHIPPER/CITY/STATE		9. MFRS. PART NO.	
9. SERIAL/LOT/BATCH NO.		10a. CONTRACT NO.	10b. PURCHASE ORDER NO.		10c. REQUISITION NO.	10d. GBL NO.	
11. ITEM <input type="checkbox"/> NEW <input type="checkbox"/> REPAIRED/OVERHAULED		12. DATE MANUFACTURED/REPAIRED/OVERHAULED	13. OPERATING TIME AT FAILURE		14. GOVERNMENT FURNISHED MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO		
15. QUANTITY		a. RECEIVED	b. INSPECTED		c. DEFICIENT	d. IN STOCK	
16. DEFICIENT ITEM WORKS ON/WITH		a. END ITEM (Aircraft, tank, ship, howitzer, etc.)				(2) SERIAL NO.	
		b. NEXT HIGHER ASSEMBLY				(4) SERIAL NO./LOT NO.	
17. UNIT COST		18. EST. REPAIR COST \$	19a. ITEM UNDER WARRANTY <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN		19a. EXPIRATION DATE		
20. WORK UNIT CODE/EIC (Navy and Air Force only)							
21. ACTION/DISPOSITION <input type="checkbox"/> HOLDING EXHIBIT FOR _____ DAYS <input type="checkbox"/> RELEASED FOR INVESTIGATION <input type="checkbox"/> RETURNED TO STOCK <input type="checkbox"/> DISPOSED OF <input type="checkbox"/> REPAIRED <input type="checkbox"/> OTHER (Explain in item 22)							
22. DETAILS (Describe, to best ability, what is wrong, how and why, circumstances prior to difficulty, cause, action taken, including disposition, recommendations. Attach copies of supporting documents. Continue on separate sheet if necessary.)							
23. LOCATION OF DEFICIENT MATERIAL							
24a. TO (Action point)				25a. TO (Support point) (Use items 26 and 27 if more than one)			
24b. NAME, TELEPHONE NO. AND SIGNATURE			24c. DATE	25b. NAME, TELEPHONE NO. AND SIGNATURE			25c. DATE
26a. TO (Support point)				27a. TO (Support point)			
26b. NAME, PHONE NO. AND SIGNATURE			26c. DATE	27b. NAME, TELEPHONE NO. AND SIGNATURE			27c. DATE

STANDARD FORM 368 (REV. 10-85)  
GENERAL SERVICES ADMINISTRATION  
(FPMR 101-29.6)

Reset

28. **FINDINGS AND RECOMMENDATIONS OF INVESTIGATION** (Explain in detail. Continue on a separate sheet of paper, if necessary.)

29. **ACTION TAKEN**

30. **RESULTS OF DEPOT SURVEILLANCE**

#### INSTRUCTIONS

1a. **FROM (Originator)** - Complete name of activity (no acronyms when sending deficiency report across component lines), activity address code (AAC), address including zip code of the activity originating the report.

1b. **NAME, TELEPHONE NO., AND SIGNATURE** - Provide name, telephone no., (include all available telephone numbers: FTS, Autovan, and commercial) and signature of an individual who can serve as a contact for questions regarding the report and/or to request exhibits or samples.

1c. **DATE** - Enter the date report was signed and forwarded to the screening or action point.

2a. **TO (Screening Point)** - The originating point will complete name of the screening point activity (no acronyms when deficiency report will be sent across component lines), the activity address code (AAC), address including zip code of the screening point where the report needs to be sent by the originator's activity. For those activities that do not have screening points, leave blank.

2c. **DATE** - Enter the date the person finished processing the report at the screening point.

3. **REPORT CONTROL NUMBER** - Number assigned to report when a numbering system is used. Those activities which are reporting quality deficiencies across component lines and are to comply with the DLA Regulation 4155.24 should reference the report control number as prescribed in the regulation.

7a. **MANUFACTURER/CITY/STATE** - Name of the manufacturer, the maintenance contractor, or Government activity which last repaired or overhauled the deficient item. For motor vehicles or components thereof, enter name of manufacturer of the vehicle or component, as appropriate.

7b. **MANUFACTURER'S CODE** - Code of the manufacturer as listed in Cataloging Handbook H4.1 (Name to code), Federal Supply Code for Manufacturers (United States and Canada).

7c. **SHIPPER/CITY/STATE** - When the shipper of an item is different from the manufacturer, also include the shipper's or supplier's name.

9. **SERIAL/LOT/BATCH NO.** - Manufacturer's serial, lot or batch number of deficient item as applicable.

10. **CONTRACT, PURCHASE ORDER, REQUISITION, GOVERNMENT BILL OF LADING (GBL) NO.** - Enter these numbers or any other available transportation document number in lieu of the GBL. Such numbers appear on the container, purchase document, and/or the item. It is extremely helpful if these items are furnished when the material was supplied by GSA.

11. **ITEM** - Check the appropriate block; provide the dates manufactured and received in Block 12, if available.

13. **OPERATING AT TIME OF FAILURE** - Time item had been in operation since new, overhauled, or repaired when the deficiency was discovered, citing the appropriate performance element (miles, cycles, hours, etc.).

15c. **QUANTITY DEFICIENT** - Enter the quantity found deficient of those inspected.

15d. **QUANTITY IN STOCK** - Enter the quantity of material from the same manufacturer remaining in stock.

17. **UNIT COST** - Dollar value of the deficient item when known. Not applicable on reporting vehicles to GSA.

18. **ESTIMATED REPAIR COST** - Unit cost times number of units for replacement or estimated repair costs (including overhead) times number of units for correcting all the deficient items reported when it can readily be determined. Not applicable on reporting vehicles to GSA.

19. **ITEM UNDER WARRANTY** - Check if item is known to be covered by contractor warranty. If yes, provide expiration date.

21. **ACTION/DISPOSITION** - A check in the appropriate block to indicate the action taken or requested. When an exhibit or sample is being held, indicate the number of days in the space provided. (An exhibit or sample shall be held for a minimum of 30 calendar days from the date the report is transmitted to the action point. Reporting activities are reminded that the packaging, packing and shipping containers are to be held along with the exhibits to facilitate investigation.) When none of the items indicate the actions or disposition taken or requested, check "Other" and identify the nature of the action taken or requested in item 22.

23. **LOCATION OF DEFICIENT MATERIAL** - Address and location of the deficient material.

24a. **TO (Action Point)** - Name, in the clear address, including zip code of the action point to which the report is being submitted.

24c. **DATE** - Enter the date the report was forwarded to an action point or the date the findings and recommendations were completed.

28. **FINDINGS AND RECOMMENDATIONS OF INVESTIGATION** - Include the findings and recommendations were completed.

29. **ACTION TAKEN** - State the action taken to resolve the complaint.

30. **RESULTS OF DEPOT SURVEILLANCE** - Show results of depot surveillance and planned action (i.e., replacement or repair by contractor, disposal, issue, etc.).

STANDARD FORM 368 BACK (REV. 10-85)

Reset

## APPENDIX F

### TECHNICAL MANUAL DEFICIENCY/EVALUATION REPORT (TMDER)

Ref: NAVSEAINST 4160.3A NAVSEA S0005-AA-GYD-030/TMMP				
<b>NAVSEA/SPAWAR TECHNICAL MANUAL DEFICIENCY/EVALUATION REPORT (TMDER)</b>				
INSTRUCTIONS: Continue on 8 ½" x 11" page if additional space is needed. 1. Use this report to indicate deficiencies, problems and recommendations relating to publications. 2. For CLASSIFIED TMDERs see OPNAVINST 5510H for mailing requirements. 3. For TMDERs that affect more than one publication, submit a separate TMDER for each. 4. Submit TMDERs at web site <a href="https://nsdsa2.phdnswc.navy.mil">https://nsdsa2.phdnswc.navy.mil</a> or mail to: <b>COMMANDER, CODE 310 TMDER BLDG 1388, NAVSURFWARCENDIV NSDSA, 4363 MISSILE WAY, PORT HUENEME CA 93043-4307</b>				
1. PUBLICATION NUMBER	2. VOL/PART	3. REV/DATE OR CHG/DATE	4. SYSTEM/EQUIPMENT ID	
5. TITLE OF PUBLICATION			6. REPORT CONTROL NUMBER (6 digit UIC-YY-any four: xxxxxx-03-xxxx)	
7. RECOMMEND CHANGES TO PUBLICATION				
7a. Page #	7b. Para #	7c. RECOMMENDED CHANGES AND REASONS		
8. ORIGINATOR'S NAME AND WORK CENTER		9. DATE	10. ORIGINATOR'S E-MAIL ADDRESS	11. TMMA of Manual (NSDSA will complete)
12. SHIP OR ACTIVITY Name and Address (Include UIC/CAGE/HULL)			13. Phone Numbers: Commercial   (____)____-____ DSN               ____-____ FAX               (____)____-____	

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